SAMSUNG

8mm CAMCORDER

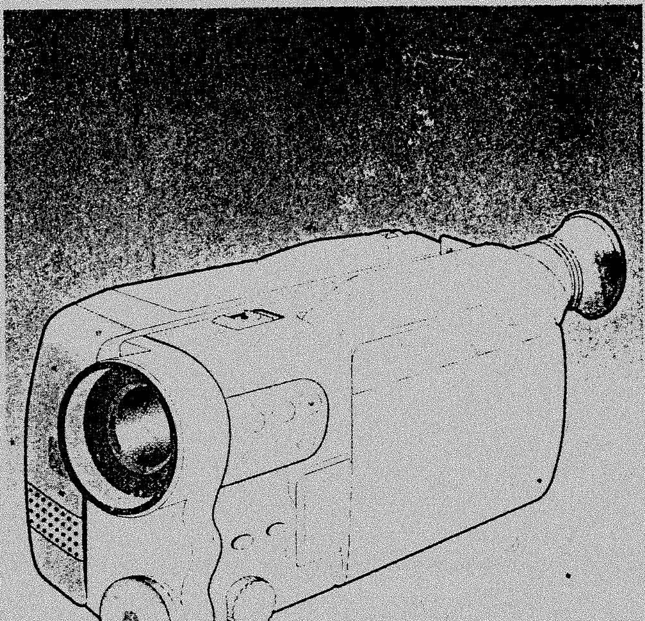
VP-L90/VP-L95

Hi 8

SERVICE Manual

For mechanical disassembly and adjustment, refer to the "Mechanical Manual" (DE-6 ⟶ AD68-30200A).

8mm CAMCORDER



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11. Schematic Diagrams

UPDATE LOG SHEET

Application Data	Page	Part #	Note(Cause & Solution)	S/Bulletin #

Use this page to keep any special servicing information. (Service Bulletin, etc.)
If only parts number changes, Just change parts number directly on parts list.
And if you need more information, please see the service bulletin

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1. Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including : control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people--particularly children --might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (See Fig. 1) :
   Warning : Do not use an isolation transformer during this test. Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, *Leakage Current for Appliances*), and Underwriters Laboratories (*UL Publication UL1410, 59.7*).

5. With the unit completely reassembled, plug the AC line cord directly the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including : antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

6. X-ray Limits :
   The picture tube is designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original.

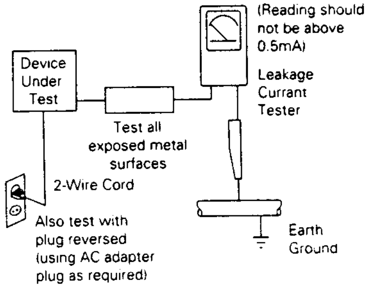

(Reading should not be above 0.5mA)
Device Under Test
Leakage Currant Tester
Test all exposed metal surfaces
2-Wire Cord
Also test with plug reversed (using AC adapter plug as required)
Earth Ground

Fig. 1 AC Leakage Test

7. Antenna Cold Check :
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong.
   Connect the other lead to the coaxial connector.

8. High Voltage Limit :
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits.

   Heed the high voltage limits. These include the *X-ray protection Specifications Label*, and the *Product Safety and X-ray Warning Note* on the service data schematic.

9. Some semiconductor ("solid state") devices are easily damaged by static electricity.
   Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors.
   The following techniques will reduce the occurrence of component damage caused by static electricity.

10. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging Wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)

11. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

12. Design Alteration Warning :
Never alter or add to the mechanical or electrical design of this unit. Example : Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

13. Hot Chassis Warning :
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

To confirm that the AC power plug is inserted correctly, do the following : Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

14. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, *regardless of the AC plug polarity*. These units can be safely serviced *only* if an isolation transformer inserted between the receiver and the power source.

15. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

16. Always connect a test instrument's ground lead to the instrument chassis ground *before* connecting the positive lead; always remove the instrument's ground lead last.

17. Observe the original lead dress, especially near the following areas : Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

18. Picture Tube Implosion Warning :
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

19. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

20. Product Safety Notice :
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original--even if the replacement is rated for higher voltage, wattage, etc.

Components that are critical for safety are indicated in the circuit diagram by shading, (⚠ or ⚠).
Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

2. Reference Information

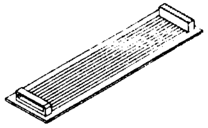
2-1 Servicing Jigs and Special Tools

2-1-1 Servicing Jigs

Part No.	Jig Item	Specification	Description			
			Main board	CCD board	DC/DC Converter board	Audio board
68140-500-040	Extension Cable 1	Pin 48	CN503 ◄	———	——► CN901	
68140-500-034	Extension Cable 2	Pin 18	CN202 ◄	———	———	——► CN703
68140-500-041	Extension Cable 3	Pin 50	CN203 ◄	———	———	——► CN701
68140-500-038	Extension Cable 4	Pin 40	CNP01 ◄	——► CND02		
68140-500-036	TP Board	-	Use for adjustment of VCR section. (Connect TP Board to connector CTP01 of Main Board)			For VCR section adjustment

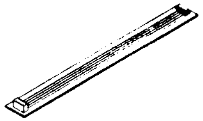
68140-500-040

Extension Cable 1



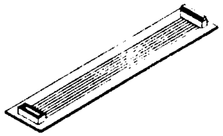
68140-500-034

Extension Cable 2



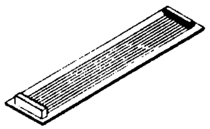
68140-500-041

Extension Cable 3



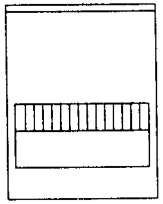
68140-500-038

Extension Cable 4

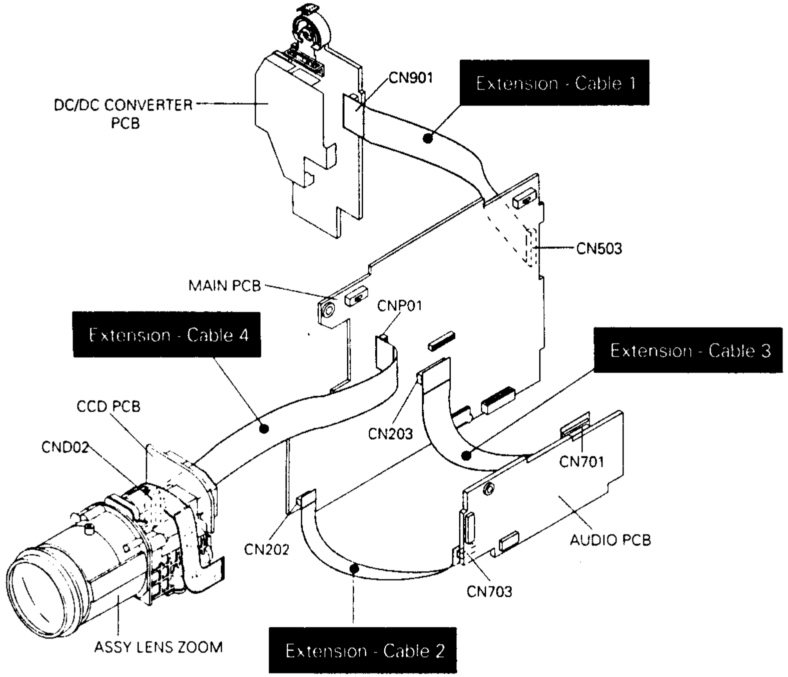


68140-500-036

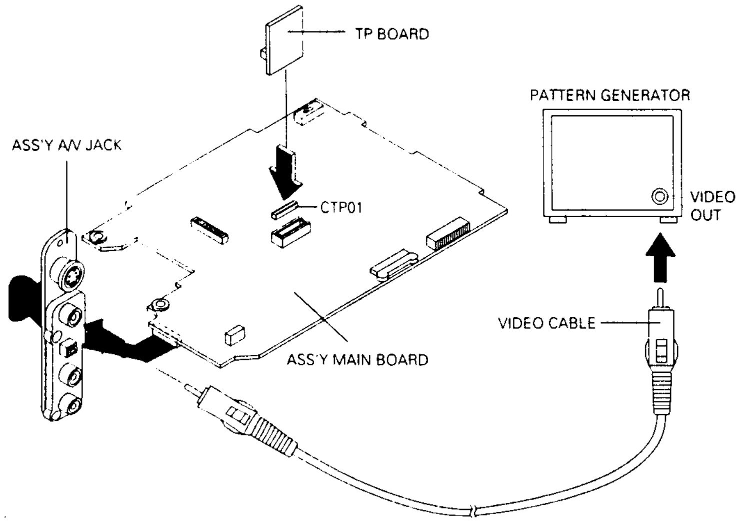
TP Board



2-4-2 Extension Cable Connections


DC/DC CONVERTER PCB
CN901
Extension - Cable 1
CN503
MAIN PCB
CNP01
Extension - Cable 4
Extension - Cable 3
CCD PCB
CND02
CN203
CN701
CN202
AUDIO PCB
CN703
ASSY LENS ZOOM
Extension - Cable 2

2-4-3 TP Board Connections


TP BOARD
PATTERN GENERATOR
ASS'Y A/V JACK
CTP01
VIDEO OUT
VIDEO CABLE
ASS'Y MAIN BOARD

3. Product Specifications and Comparison Chart

3-1 Product Specifications

Design and specifications are subject to change without notice.

Operation	Description
SYSTEM	
LCD	TFT Liguid crystal device 4 inch (10 mm) : VP-L95, 3 inch (7.62 mm) : VP-L90
Recording systems	Video : 2 rotary heads, helical FM scanning, Audio : FM system
Video signal	PAL colour, CCIR standard
Cassette format	8 mm / Hi 8 mm
Tape speed	SP mode (Standard Play) : approx. 20.051 mm/sec LP mode (Long Play) : approx. 10.058 mm/sec
Playback time	SP mode (Standard Play) : 1 hour 30 minutes (P5-90) LP mode (Long Play) : 3 hours (P5-90)
Fast-forward/rewind time	Approx. 5 min. 40 secs (P5-60)
Image device	CCD (Charge Coupled Device)
Viewfinder	Black and White electronic viewfinder
Lens	Combined 16X power zoom lens, f=3.9~62.4mm, F1.4 auto wide macro: filter diameter 46mm, digital zoom : 32X (VP-L90), 64X (VP-L95)
Automatic focus system	Inner
Colour temperature	Auto/indoors : 3100°K; outdoor : 5100°K
Lighting	> 300 lux (28 footcandles) ; minimum lighting : 3 lux
Aperture correction	Automatic with back light adjustment
INPUT/OUTPUT CONNECTORS	
Video output	Phono jack / S-VIDEO jack, 1Vp-p, 75 ohms, unbalanced, SYNC negative
Audio output	Phono jack, 7.5dBs for an output impedance of less than 2.2 Kohms
RFU DC OUT	Special mini-jack, 5V DC
Earphone output	Minijack, 8 ohms (Ø 3.5 mm)
GENERAL	
Power requirement	AC power adaptor (7.2V) ; battery pack (6.0V)
Power consumption	VP-L95 : 7.2W, VP-L90 : 6.5W (in camera mode)
Tripod attachment thread	Attachment screw less than 9mm long
Microphone	Minijack (Ø 3.5 mm)
Temperature range	Operation : 0°C to 40°C (32°F to 104°F); storage : -20°C to 60°C (-4°F to 140°F)
Dimensions/weight	VP-L95 : Appros. 213 X 123 X 107 mm (L X H X P); Approx. 1100 g VP-L90 : Appros. 213 X 116 X 107 mm (L X H X P); Approx. 1000 g including lens cap, excluding battery pack and cassette.

3-2 Comparison Chart

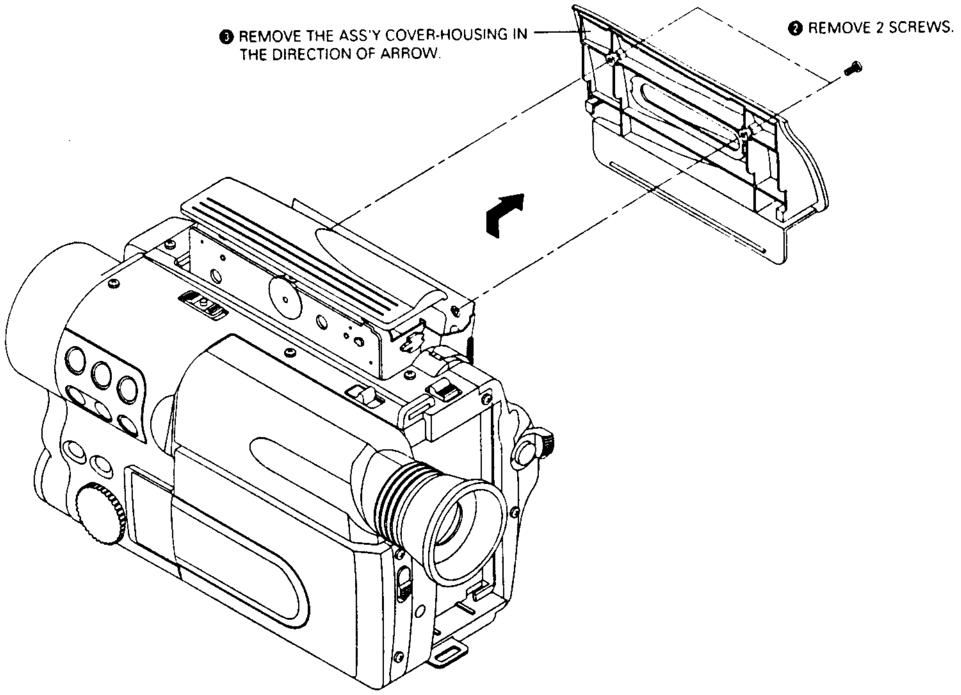
MODEL / FUNCTION	VP-L90	VP-L95	REMARK
VIEWFINDER	EVF	EVF	
D.ZOOM	X32 D/ZOOM	X64 D.ZOOM	
VIDEO	NORMAL	Hi-8	
STEREO	O	O	
EIS	X	O	
LCD	3 inch	4 inch	

4. Disassembly and Reassembly

4-1 Cabinet and PCB

4-1-1 Ass'y Cover-Housing removal

❶ APPLY POWER AND EJECT THE COVER HOUSING.

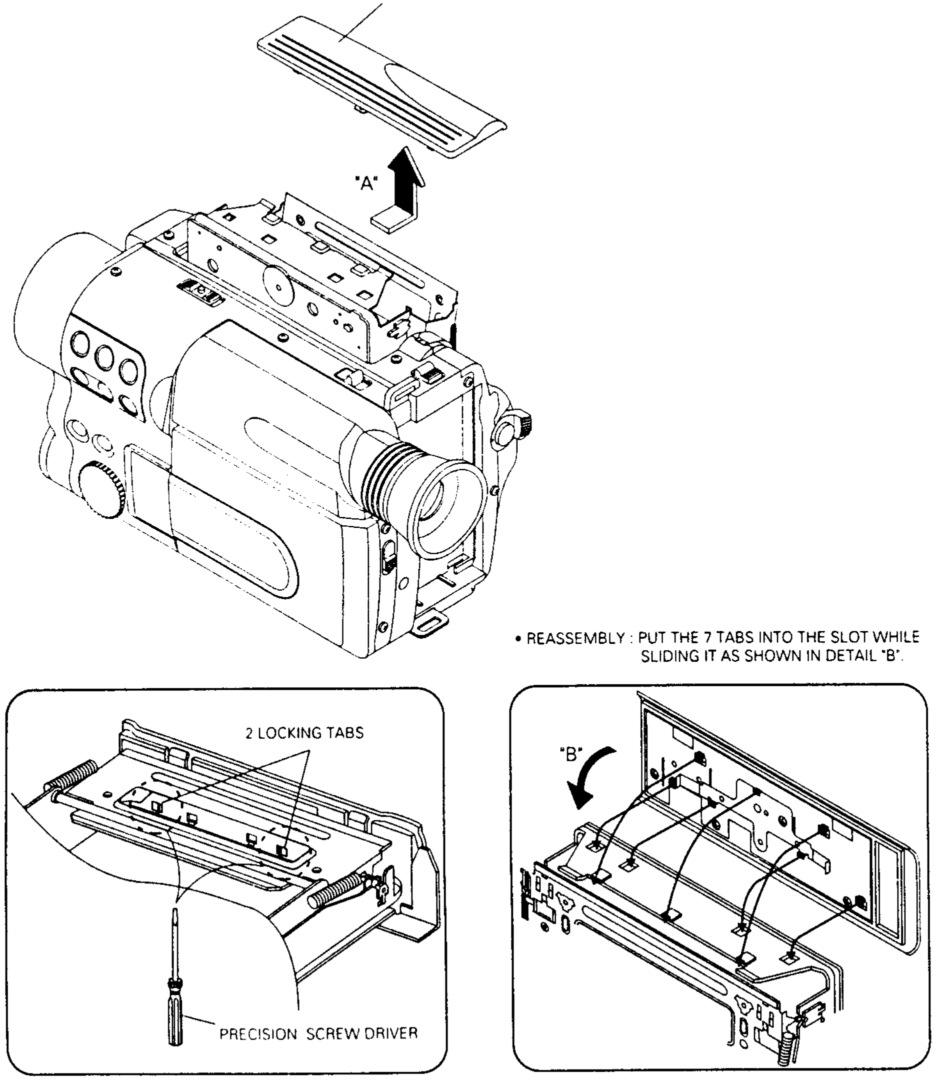


❸ REMOVE THE ASS'Y COVER-HOUSING IN THE DIRECTION OF ARROW.

❷ REMOVE 2 SCREWS.

Fig. 4-1 Ass'y Cover-Housing removal

4-1-2 Ass'y Case-Top removal



- **NOTE :** CLOSE THE HOUSING ASS'Y AFTER DISASSEMBLING.

❶ REMOVE THE ASS'Y-CASE-TOP BY GENTLY RELEASING 2 LOCKING TABS WITH A PRECISION SCREW DRIVER. (SEE DETAIL "A")

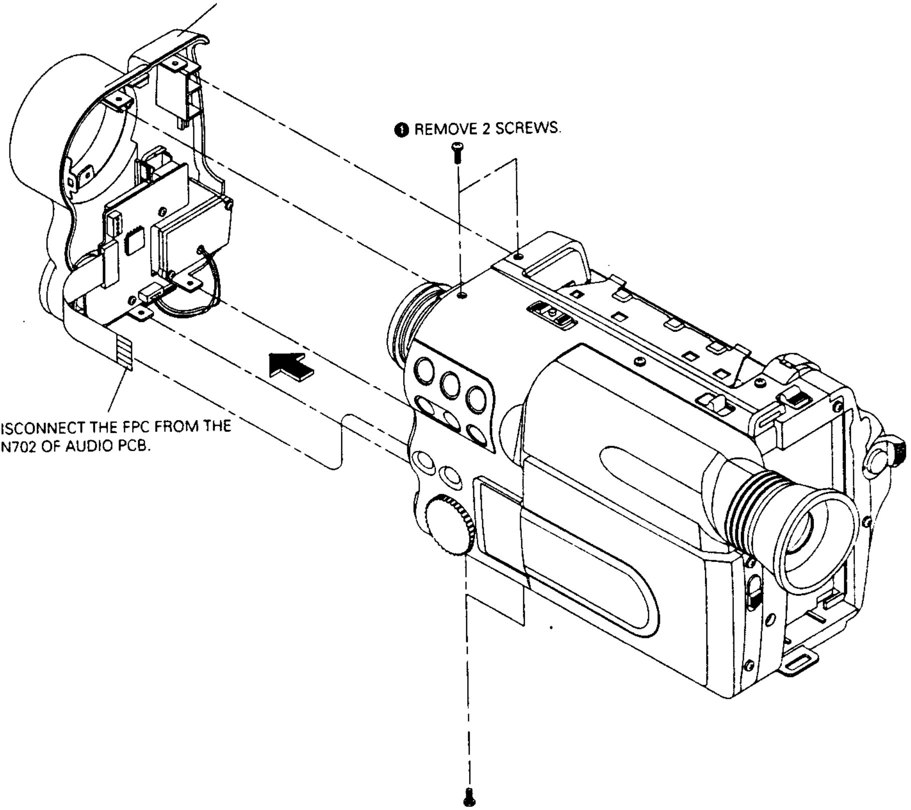
- REASSEMBLY : PUT THE 7 TABS INTO THE SLOT WHILE SLIDING IT AS SHOWN IN DETAIL "B".

< DETAIL "A" >

< DETAIL "B" >

Fig. 4-2 Ass'y Case-Top removal

4-1-3 Ass'y Front removal



❸ REMOVE THE ASS'Y-FRONT IN THE DIRECTION OF ARROW.

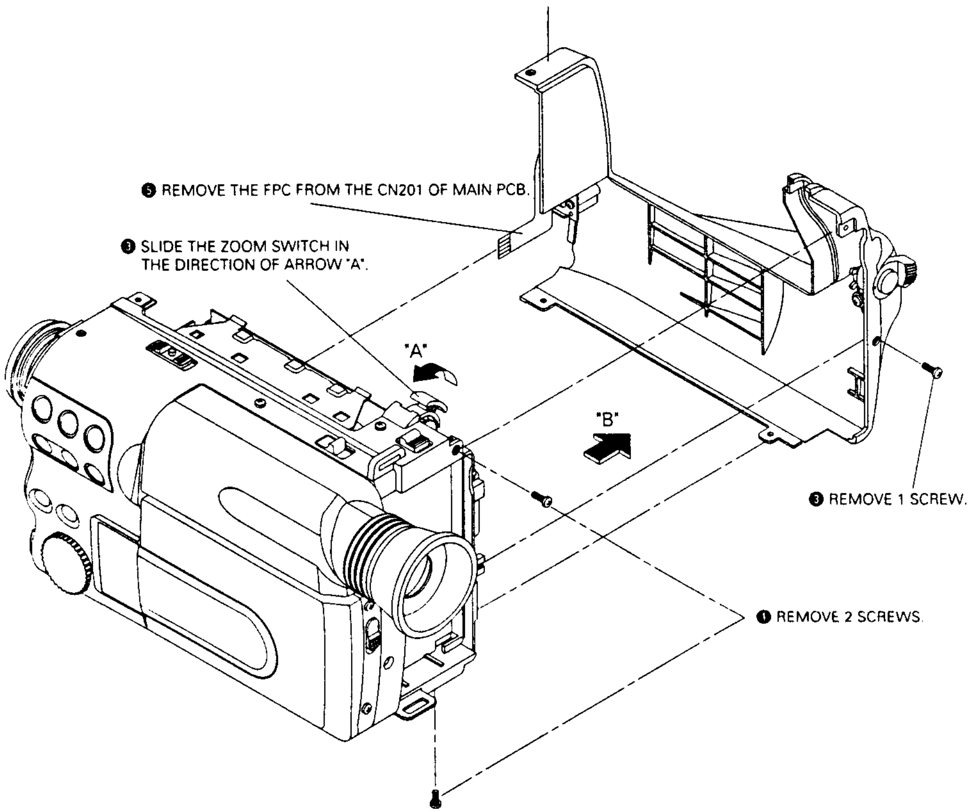
❶ REMOVE 2 SCREWS.

❹ DISCONNECT THE FPC FROM THE CN702 OF AUDIO PCB.

❷ REMOVE 2 SCREWS.

Fig. 4-3 Ass'y Front removal

4-1-4 Ass'y Case-Right removal



❹ REMOVE THE ASS'Y CASE-RIGHT IN THE DIRECTION OF ARROW "B".

❺ REMOVE THE FPC FROM THE CN201 OF MAIN PCB.

❸ SLIDE THE ZOOM SWITCH IN THE DIRECTION OF ARROW "A".

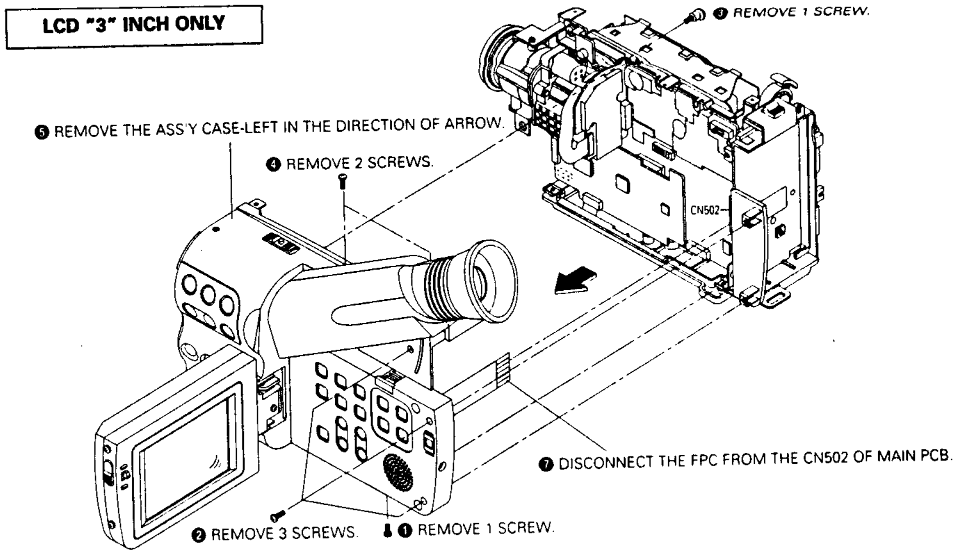
❷ REMOVE 1 SCREW.

❶ REMOVE 2 SCREWS.

Fig. 4-4 Ass'y Case-Rignt removal

4-1-5 Ass'y Case-Left removal

LCD "3" INCH ONLY



❸ REMOVE 1 SCREW.

❺ REMOVE THE ASS'Y CASE-LEFT IN THE DIRECTION OF ARROW.

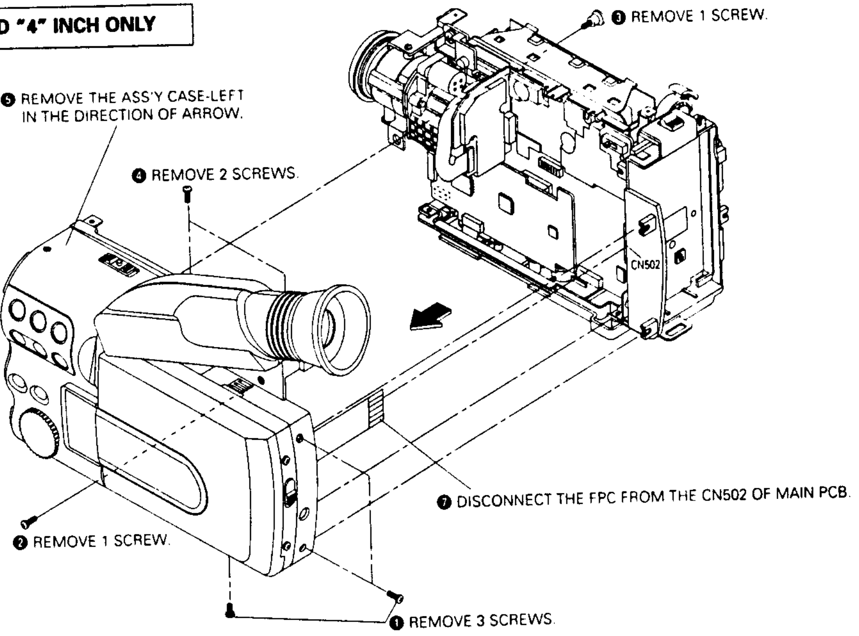
❹ REMOVE 2 SCREWS.

❻ DISCONNECT THE FPC FROM THE CN502 OF MAIN PCB.

❷ REMOVE 3 SCREWS.

❶ REMOVE 1 SCREW.

LCD "4" INCH ONLY



❸ REMOVE 1 SCREW.

❺ REMOVE THE ASS'Y CASE-LEFT IN THE DIRECTION OF ARROW.

❹ REMOVE 2 SCREWS.

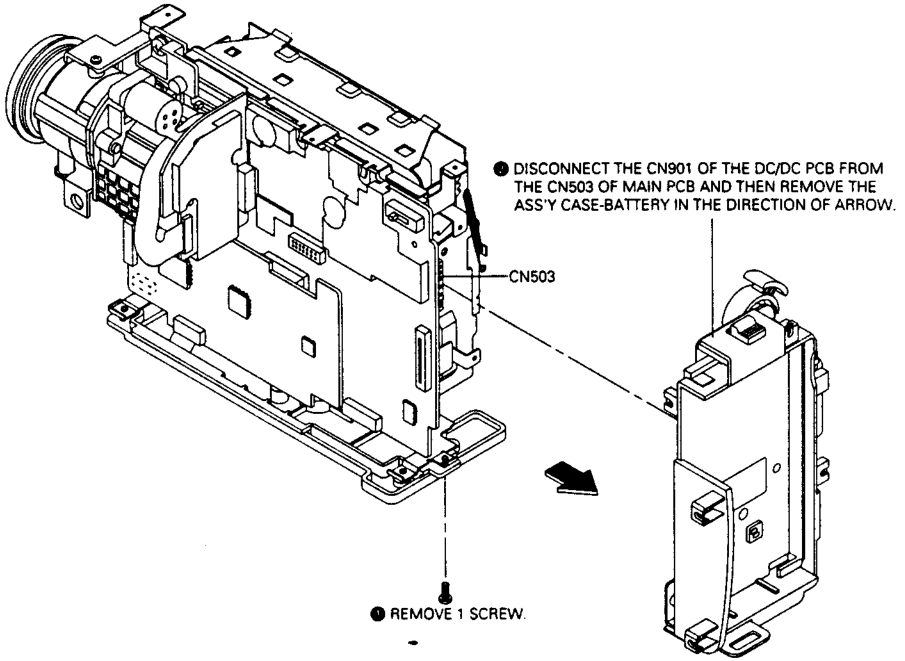
❻ DISCONNECT THE FPC FROM THE CN502 OF MAIN PCB.

❷ REMOVE 1 SCREW.

❶ REMOVE 3 SCREWS.

Fig. 4-5 Ass'y Case-Left removal

4-1-6 Ass'y Case-Battery removal

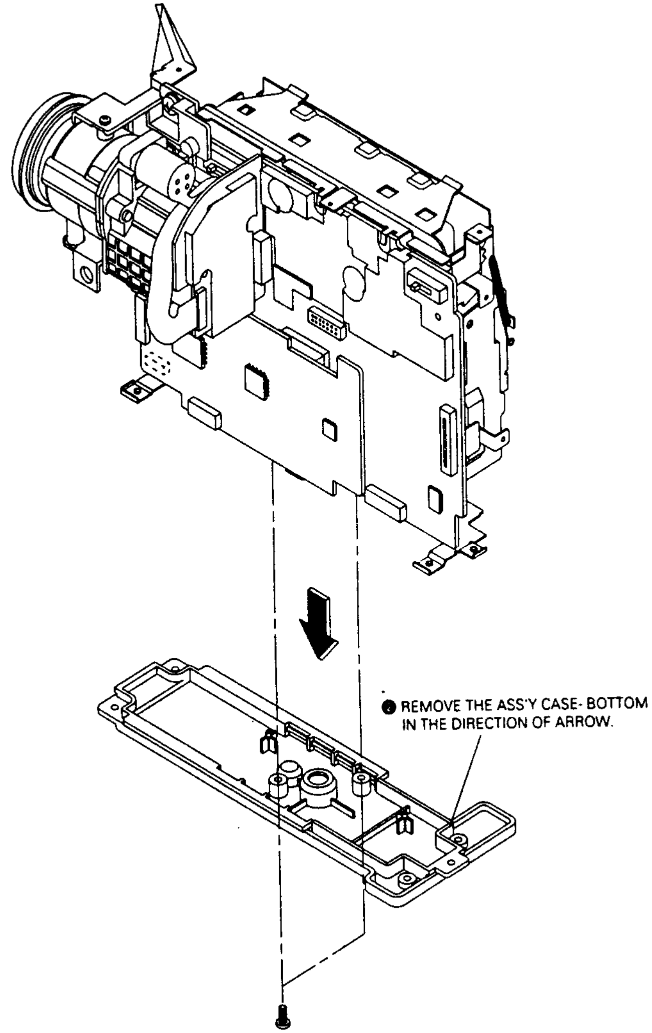


● DISCONNECT THE CN901 OF THE DC/DC PCB FROM THE CN503 OF MAIN PCB AND THEN REMOVE THE ASS'Y CASE-BATTERY IN THE DIRECTION OF ARROW.

● REMOVE 1 SCREW.

Fig. 4-6 Ass'y Case-Battery removal

4-1-7 Ass'y Case-Bottom removal

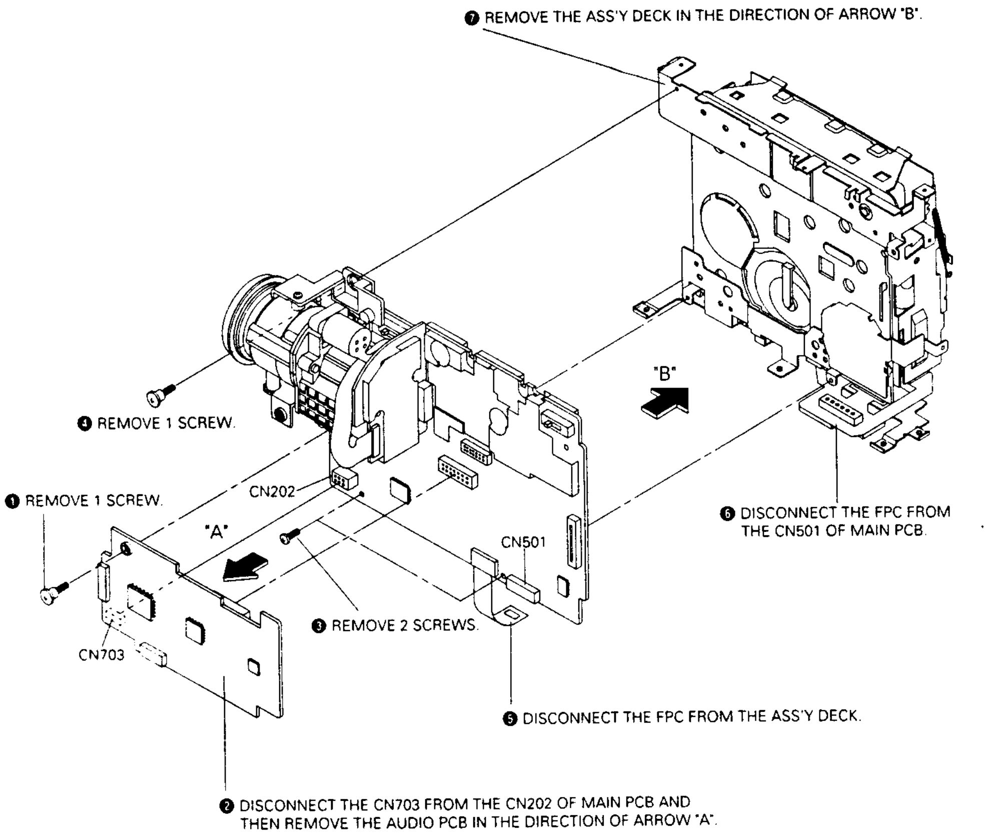


● REMOVE THE ASS'Y CASE- BOTTOM IN THE DIRECTION OF ARROW.

● REMOVE 2 SCREWS.

Fig. 4-7 Ass'y Case-Bottom removal

4-1-8 Audio PCB and Ass'y-Deck removal



❶ REMOVE 1 SCREW.

❷ DISCONNECT THE CN703 FROM THE CN202 OF MAIN PCB AND THEN REMOVE THE AUDIO PCB IN THE DIRECTION OF ARROW "A".

❸ REMOVE 2 SCREWS.

❹ REMOVE 1 SCREW.

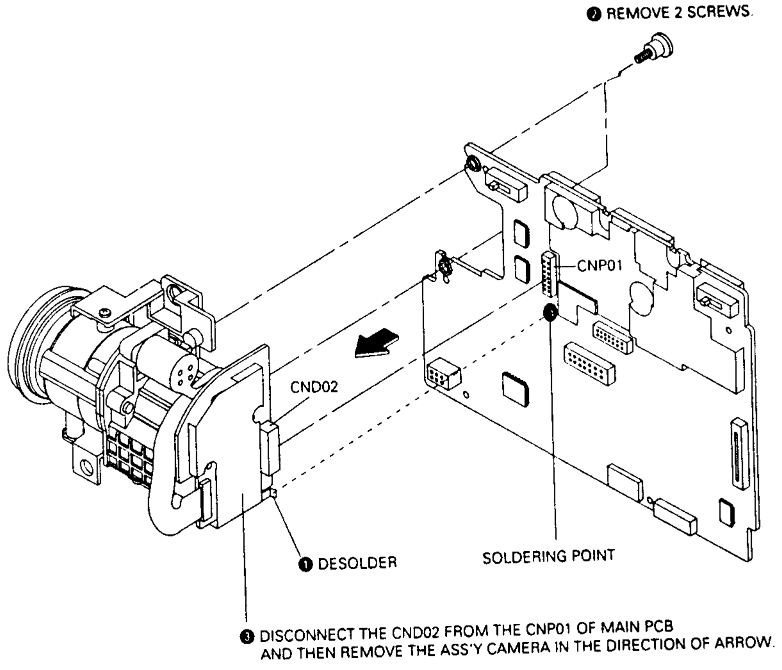
❺ DISCONNECT THE FPC FROM THE ASS'Y DECK.

❻ DISCONNECT THE FPC FROM THE CN501 OF MAIN PCB.

❼ REMOVE THE ASS'Y DECK IN THE DIRECTION OF ARROW "B".

Fig. 4-8 Audio PCB and Ass'y-Deck removal

4-1-9 Ass'y Camera and Main PCB removal



❶ DESOLDER

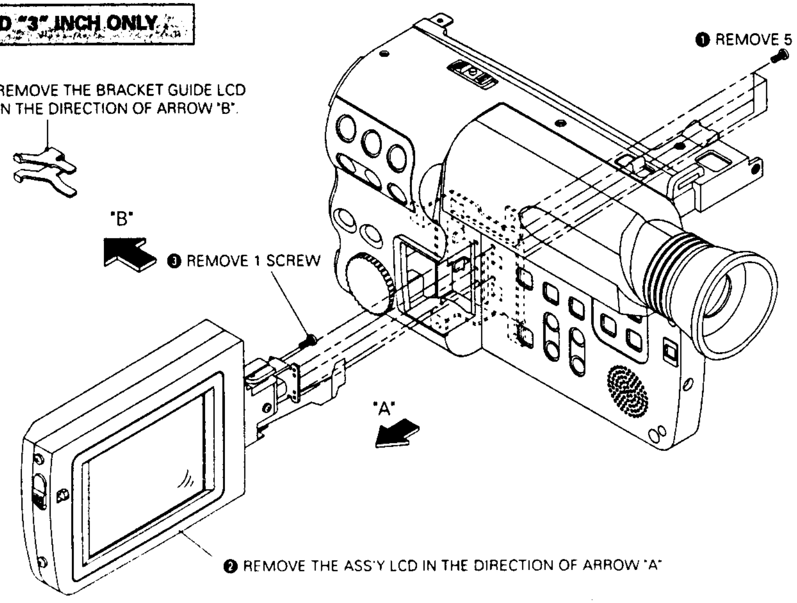
❷ REMOVE 2 SCREWS.

❸ DISCONNECT THE CND02 FROM THE CNP01 OF MAIN PCB AND THEN REMOVE THE ASS'Y CAMERA IN THE DIRECTION OF ARROW.

Fig. 4-9 Ass'y Camera and Main PCB removal

4-1-10 Ass'y LCD removal

LCD "3" INCH ONLY



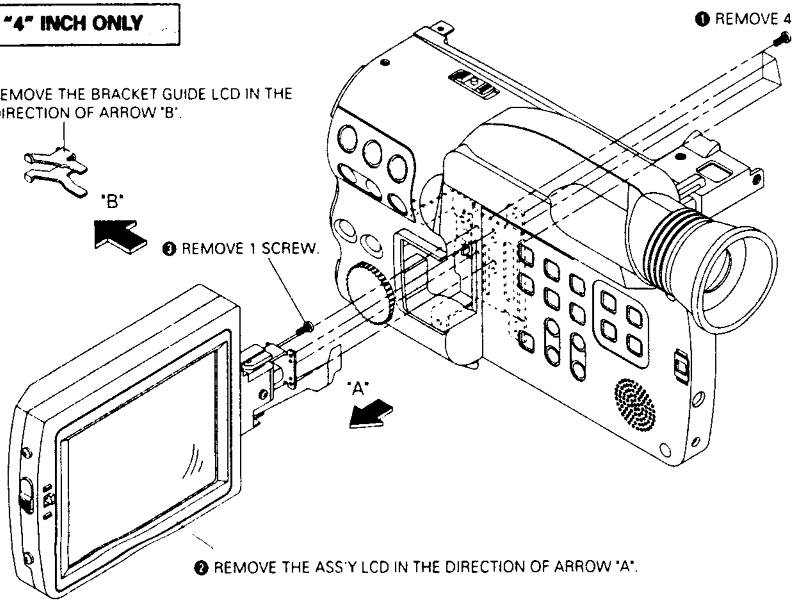
❶ REMOVE 5 SCREWS.

❷ REMOVE THE ASS'Y LCD IN THE DIRECTION OF ARROW "A"

❸ REMOVE 1 SCREW

❹ REMOVE THE BRACKET GUIDE LCD IN THE DIRECTION OF ARROW "B".

LCD "4" INCH ONLY



❶ REMOVE 4 SCREWS

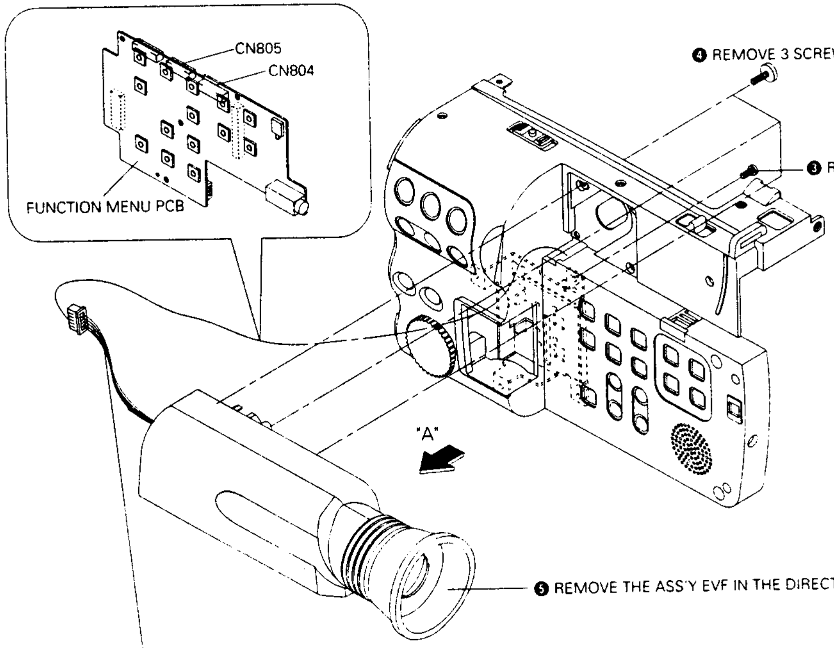
❷ REMOVE THE ASS'Y LCD IN THE DIRECTION OF ARROW "A".

❸ REMOVE 1 SCREW.

❹ REMOVE THE BRACKET GUIDE LCD IN THE DIRECTION OF ARROW "B".

Fig. 4-10 Ass'y LCD removal

4-1-11 Ass'y EVF removal



❶ DISCONNECT THE LEAD CONNECTOR FROM THE CN805 OF FUNCTION MENU PCB

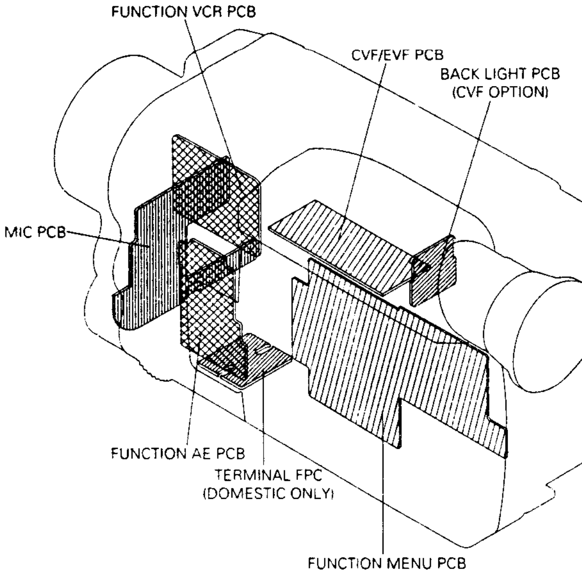
❸ REMOVE 1 SCREW

❹ REMOVE 3 SCREWS.

❺ REMOVE THE ASS'Y EVF IN THE DIRECTION OF ARROW "B"

Fig. 4-11Ass'y EVF removal

4-2 Circuit Boards Location


FUNCTION VCR PCB
CVF/EVF PCB
BACK LIGHT PCB
(CVF OPTION)
MIC PCB
FUNCTION AE PCB
TERMINAL FPC
(DOMESTIC ONLY)
FUNCTION MENU PCB

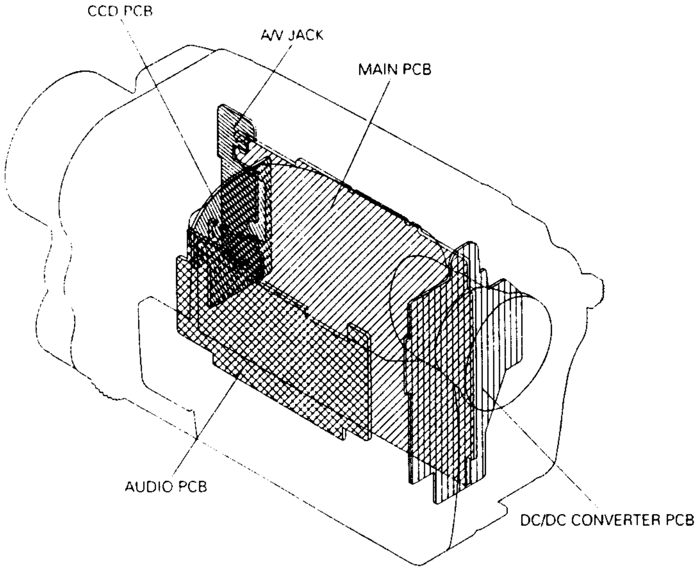

CCD PCB
A/V JACK
MAIN PCB
AUDIO PCB
DC/DC CONVERTER PCB

Fig. 4-12 Circuit Boards Location

4-3 Connector Diagram

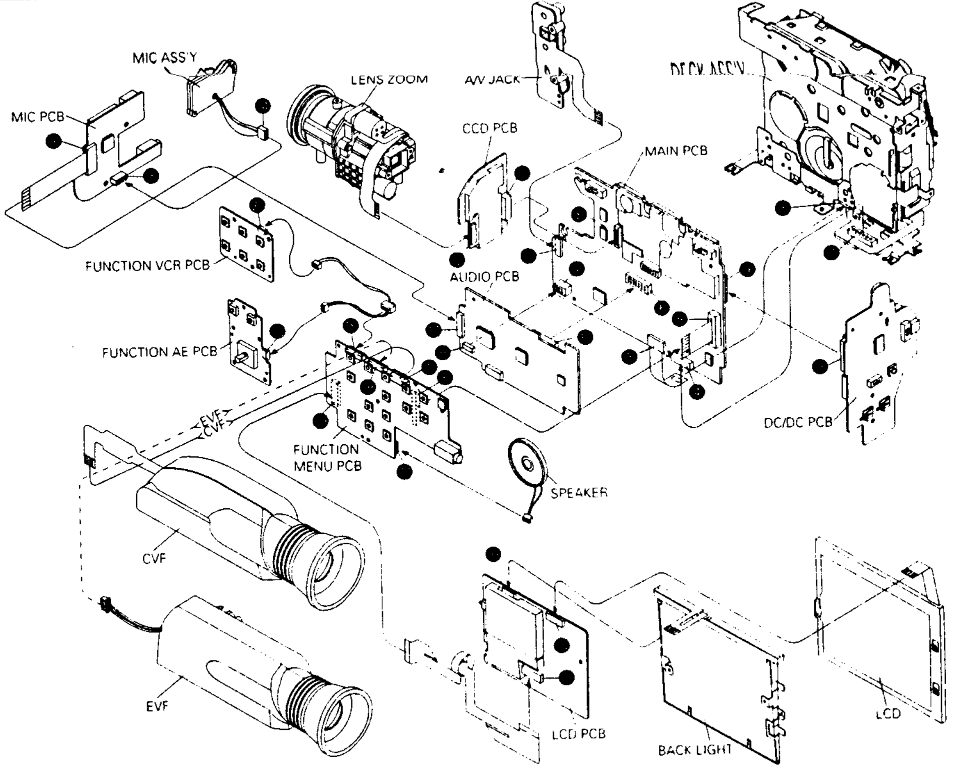

MIC ASS'Y
MIC PCB
LENS ZOOM
A/V JACK
DECK ASS'Y
CCD PCB
MAIN PCB
FUNCTION VCR PCB
AUDIO PCB
FUNCTION AE PCB
EVF
CVF
FUNCTION
MENU PCB
SPEAKER
DC/DC PCB
CVF
EVF
LCD PCB
BACK LIGHT
LCD

Fig. 4-13 Connector Diagram

NO	CONN.WAFER LOCA-NO	DIRECTION	CONN.WAFER LOCA-NO
1	-	DECK ↔ MAIN PCB	CN101
2	-	DECK ↔ MAIN PCB	CN501
3	CN101	MAIN PCB ↔ DECK	-
4	CN501	MAIN PCB ↔ DECK	-
5	CN502	MAIN PCB ↔ FUNCTION MENU PCB	CN801
6	CN203	MAIN PCB ↔ AUDIO PCB	CN701
7	CN202	MAIN PCB ↔ AUDIO PCB	CN703
8	CNP01	MAIN PCB ↔ CCD PCB	CND02
9	CN703	AUDIO PCB ↔ MAIN PCB	CN202
10	CN701	AUDIO PCB ↔ MAIN PCB	CN203
11	CND02	CCD PCB ↔ MAIN PCB	CNP01
12	CND01	CCD PCB ↔ ZOOM LENS	FPC
13	CN201	MAIN PCB ↔ A/V JACK	FPC
14	-	MIC ASSY ↔ MIC PCB	CN763
15	CN763	MIC PCB ↔ MIC ASSY	-
16	CN701	MIC PCB ↔ AUDIO PCB	CN702
17	CN702	AUDIO PCB ↔ MIC PCB	CN701
18	CN802	FUNCTION MENU PCB ↔ FUNCTION A.E PCB	CN807
19	CN805	FUNCTION MENU PCB ↔ ASSY EVF	FPC
20	CN804	FUNCTION MENU PCB ↔ ASSY CVF	CVF
21	CN801	FUNCTION MENU PCB ↔ MAIN PCB	CN502
22	CN851	FUNCTION MENU PCB ↔ SPEAKER	-
23	CNL102	LCD PCB ↔ BACK LIGHT	FPC
24	CNL301	LCD PCB ↔ LCD	FPC
25	CN901	DC/DC PCB ↔ MAIN PCB	CN503
26	CN503	MAIN PCB ↔ DC/DC PCB	CN901
27	CN806	FUNCTION VCR PCB ↔ FUNCTION MENU PCB	CN802
28	CN607	FUNCTION A.E PCB ↔ FUNCTION MENU PCB	CN802
29	CN803	FUNCTION MENU PCB ↔ LCD PCB	CNL201
30	CNL201	LCD PCB ↔ FUNCTION MENU PCB	CN803

Fig. 4-14

MEMO

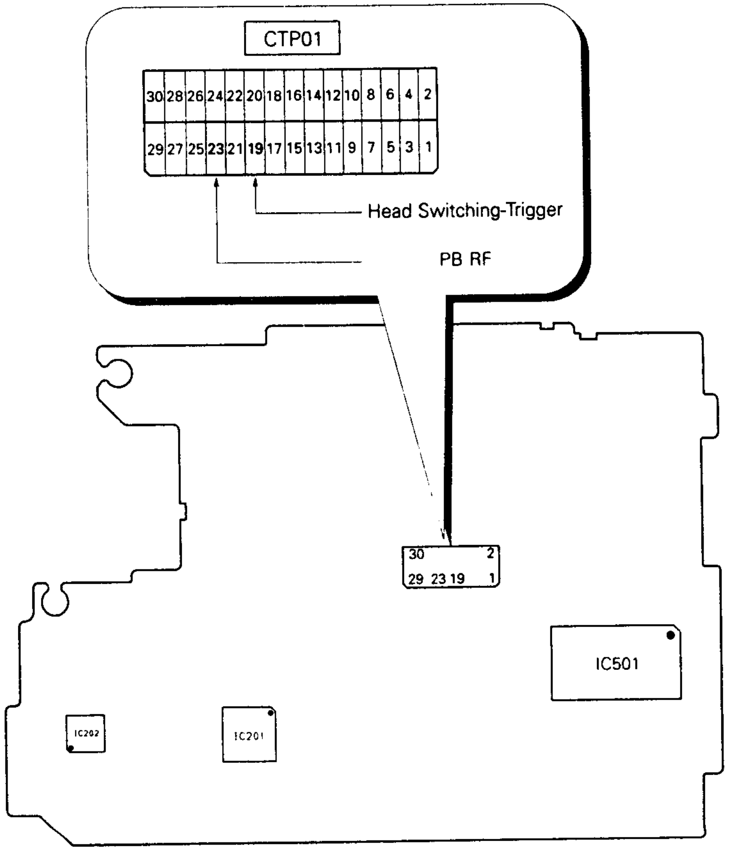
5. Alignment and Adjustment

5-1 Mechanical Adjustment

1. Refer to mechanical manual "DE-6 (AD68-30200A)" for the adjustment and checks of mechanism section.

2. The location of test point.

Test Point :
PB RF - Pin 23 of CTP01
Head Switching Trigger - Pin 19 of CTP01


CTP01
30 28 26 24 22 20 18 16 14 12 10 8 6 4 2
29 27 25 23 21 19 17 15 13 11 9 7 5 3 1
Head Switching-Trigger
PB RF
30 2
29 23 19 1
IC501
IC202
IC201

(Main PCB - Conductor Side)

5-2 Camera Section Adjustment

Notes : This camera system uses
1. EVR (Electronic Variable Resistor) control method by MICOM(ICC04) (instead of VR control).
2. EEPROM to store the confirmed adjustment data.
3. DSP (Digital Signal Process : ICP04 - Main board). This chip process the camera signal.
4. One test point for frequency adjustment of the DSP main clock (P. CLK).
5. Special mode for camera adjustment using remote control card.
   Readjustment is needed when the DC/DC board is removed from Main board.
6. Readjustment is needed when the EEPROM (ICC05 of Main board, ICL202 of LCD PCB) is replaced.
   (The EEPROM stores confirmed adjustment values for each adjustment step.)
   Except DC/DC board, all adjustment steps of the VCR section should be performed using the remote control card.
7. Since OSD appears not on the TV screen but on EVF, perform the adjustment using the EVF.
   Be sure to perform the adjustment under installing camera assy with the unit because remote module is on MF board.

5-2-1 Preparation

1. Equipments :

1) DC Power supply
2) Oscilloscope
3) Frequency counter
4) Vectorscope
5) Waveform monitor
6) Colour monitor or TV
7) Various charts
   - Color bar chart
   - Gray-scale chart, etc...
8) Alignment tape (Lion pattern)
9) Remote control card

2. Composition of camera PCBoards

1) Main PCB 2) CCD PCB
4) EVF PCB
5) LCD PCB

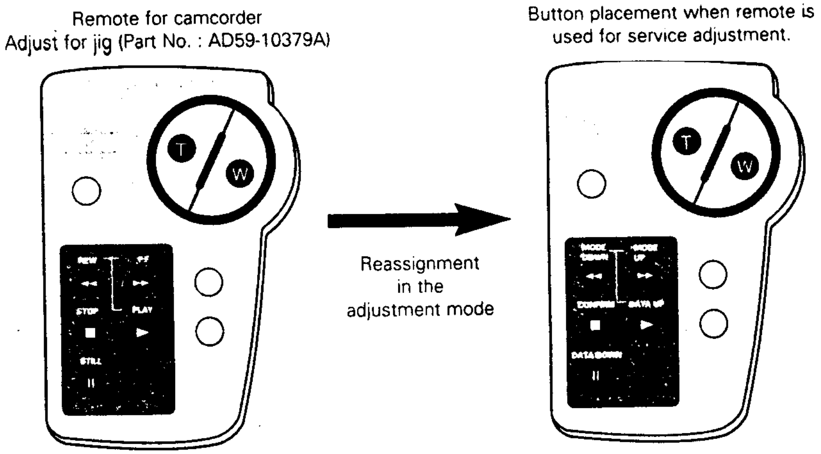
3. Adjustment preparation

1) Unit or Remote control card is used as a camera adjust tool.
2) Press the confirm button when each manual adjustment step is completed to write the adjustment data to the EEPROM.
3) To cancel the adjustment mode, remove the power source.

4. Remote Control Operation :

Using Button	Adjustment
STOP (CONFIRM)	Data store after finishing adjustment by DATA UP/DOWN button.
STILL (DATA DOWN) PLAY (DATA UP)	When changing data value of adjust state.
FF (MODE UP) REW (MODE DOWN)	Mode change.
ZOOM (WIDE) (TELE)	Used for zoom adjustment.
START/STOP (NEAR) DISPLAY (FAR)	Use for manual focus adjustment

The accessory Remote-Control Card (Part Number : AD59-10379A) is used to control the camcorder. It is also used for adjustment of the camera section.

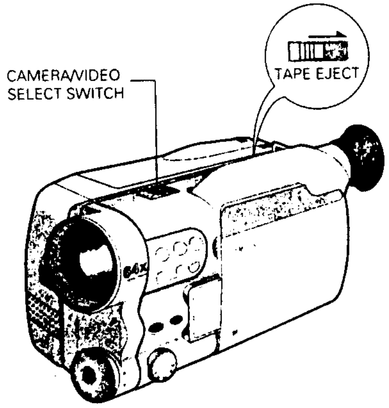

Remote for camcorder
Adjust for jig (Part No. : AD59-10379A)
Button placement when remote is used for service adjustment.
T
W
REW
FF
STOP
PLAY
STILL
Reassignment in the adjustment mode
MODE DOWN
MODE UP
CONFIRM
DATA UP
DATA DOWN

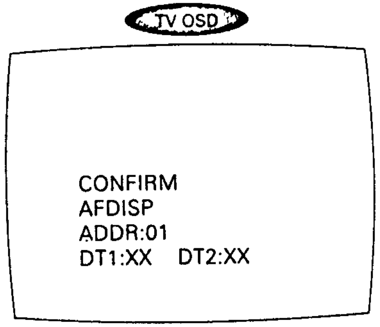
Note : In service adjustment mode, button names are differ from those in customer camera function control mode. EX : "STOP" button is the same as "CONFIRM".

5. Service "**ADJUST**" mode

STEP 1
1. Connect the power source (battery/ DC cable).
2. Eject the tape if it is in the unit.
3. Set the power switch of the camcorder to "CAMERA" position.
4. Set OSD on state.

STEP 2
1. Press the "W(WIDE)" button of remote control and hold "TAPE EJECT" button on comcorder for more than 3 seconds.





CONFIRM
AFDISP
ADDR:01
DT1:XX DT2:XX

<Example of the TV screen>

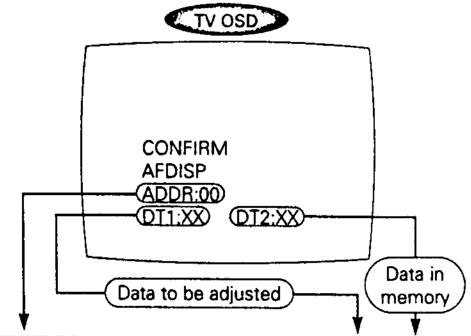
STEP 3
When the on screen display shows "ADDR:01 DT1:XX DT2:XX" CAMERA ADJUSTMENT mode has successfully been activated.

Note : "XX XX" indicates variable values.

6. Initial data (camera adjustment)

During camera adjustment, the OSD displays the following :

<Example of the TV screen>



Note : "Data 1" is current adjustment setting changes during adjustment mode), "Data 2" is previous setting in memory . After pressing "STOP (Confirm)", it is stored in memory.

ADDRESS	NAME OF ADJUSTMENT	DATA1	DATA2
00	NC	4E	4E
01	A/D OFFSET ADJUST DATA	4E	4E
02	IRIS REF	D0	D0
03	HALL REF	80	80
04	HALL GAIN	6A	6A
05	IRIS HIGH	24	24
06	IRIS LOW	00	00
07	P CLK	20	20
08	AGC LOW	3B	3B
09	AGC HIGH	00	00
0A	BURST GAIN ADJUST	22	22
0B	SYNC LEVEL ADJUST	31	31
0C	TG MODE	82	82
0D	SUHTTER LSB	00	00
0E	SHUTTER MSB	00	00
0F	SHUTTER SELECT	00	00
10	CCD SELECT	06	06
11	DSP SYS. CTRL	3E	3E
12	DSP SYS. CTRL	04	04
13	DEFECT DETECT TIME	12	12
14	DEFECT DETECT START	00	00
15	DEFECT DETECT THRESHOLD	02	02
16	CLP1 PULSE WIDTH	09	09
17	H DELAY LSB	20	20
18	H DELAY MSB	00	00
19	VERTICAL DELAY	08	08
1A	FIELD DELAY	00	00
1B	VERTICAL SYSTEM DELAY	00	00
1C	WKEY	03	03
1D	SSG SELECT	10	10
1E	CAM ADJUST PULSE HORIZANTAL LOCATE	00	00
1F	CHROMA COMB FILTER ADJUST	00	00
20	Y SIGNAL COMB FILTER ADJUST	01	01
21	VCR MODE SELECT	02	02
22	Y DROP OUT	01	01
23	Y THRESHOLD LEVEL ADJUST	06	06
24	CHROMA COMB LIMITTER CONTROL	00	00
25	BURST ON/OFF CONTROL	00	00
26	CHROMA MOD CONTROL ON/OFF	00	00
27	LINEAR MATRIX CONTROL AREA	00	00
28	BLACK LEVEL SET (S1)	00	00

ADDRESS	NAME OF ADJUSTMENT	DATA1	DATA2
29	BLACK LEVEL SET (S2)	00	00
2A	V/H APERTURE GAIN	0A	0A
2B	V/H APERTURE SLICE LEVEL	05	05
2C	B CONTROL	49	49
2D	R CONTROL	35	35
2E	G CONTROL	33	33
2F	B-Y GAIN MINUS	22	22
30	B-Y HUE MINUS	03	03
31	R-Y HUE MINUS	FE	FE
32	R-Y GAIN MINUS	41	41
33	B-Y GAIN PLUS	26	26
34	B-Y HUE PLUS	F5	F5
35	R-Y HUE PLUS	08	08
36	R-Y GAIN PLUS	3A	3A
37	SETUP	00	00
38	WHITE CLIP	01	01
39	DIGITER ENHANCER	02	02
3A	Y SIGNAL DELAY	0A	0A
3B	H APERTURE HIGH FREQ. GAIN	02	02
3C	H APERTURE LOW FREQ. GAIN	02	02
3D	V APERTURE SLICE CONTROL	01	01
3E	V APERTURE HIGH LUMI. LIMIT	01	01
3F	V APERTURE GAIN	09	09
40	r AFTER APERTURE GAIN	00	00
41	r AFTER APERTURE SLICE	02	02
42	r AFTER APERTURE CTRL LIMIT	01	01
43	C DELAY	00	00
44	BURST LEVEL	10	10
45	RED COLOR SEPERATION MATRIX (RMATC)	C0	C0
46	RED COLOR SEPERATION MATRIX (RMATY)	40	40
47	BLUE COLOR SEPERATION MATRIX (BMATC)	C0	C0
48	BLUE COLOR SEPERATION MATRIX (BMATY)	40	40
49	FADE OUT LEVEL SET	00	00
4A	V DIRECT CHROMA SUPPRESS	00	00
4B	Y SIGNAL GAIN	FF	FF
4C	SPOT CONTROL	04	04
4D	AE DET. AREA H START	1F	1F
4E	AE DET. AREA H WIDTH	0C	0C
4F	HYST INTEGRAL REF. SET	40	40
50	DET. AREA OUTPUT CONTROL	00	00
51	AWB MODE SET	00	00
52	AWB DET. AREA H START	30	30
53	AWB DET. AREA H WIDTH	0C	0C
54	Y INTEGRAL S/LEVEL (MSB)	FF	FF
55	Y INTEGRAL S/LEVEL (LSB)	00	00
56	MOSAIC H SIZE	34	34
57	MOSAIC ENABLE	00	00
58	SEPIA	00	00
59	MOSAIC V SIZE	3C	3C
5A	NEGA/POSI ON/OFF	00	00
5B	SOLARI CTRL ON/OFF	00	00
5C	AFD(CXD2418R) WORD00	00	00
5D	AFD(CXD2418R) WORD01	34	34

ADDRESS	NAME OF ADJUSTMENT	DATA1	DATA2
5E	AFD(CXD2418R) WORD02	30	30
5F	AFD(CXD2418R) WORD03	19	19
60	AFD(CXD2418R) WORD04	11	11
61	VFD(CXD2418R) WORD11	D2	D2
62	AFD(CXD2418R) WORD12	96	96
63	AFD(CXD2418R) WORD13	D2	D2
64	AFD(CXD2418R) WORD14	A4	A4
65	AFD(CXD2418R) WORD15	EE	EE
66	D. ZOOM SPEED 0	01	01
67	D. ZOOM SPEED 1	02	02
68	D. ZOOM SPEED 2	03	03
69	D. ZOOM SPEED 3	04	04
6A	MIRROR POINT L LOW OFF	6A	6A
6B	MIRROR POINT H HIGH OFF	03	03
6C	MODEL	57	57
6D	MIRROR POINT H HIGH ON	01	01
6E	V REF C	5E	5E
6F	V DELAY	04	04
70	CLP1 PULSE WIDTH	0A	0A
71	SPOT AE TARGET	03	03
72	OUTDOOR DETECT	60	60
73	W/B TARGET	00	00
74	AE TARGET (AGC CTRL TIME)	C0	C0
75	AGC AE DEFFERANCE	01	01
76	R-Y GAIN MINUS PERCENT	7A	7A
77	B-Y GAIN MINUS PERCENT	50	50
78	3100°K B CTRL	-	-
79	3100°K R CTRL	-	-
7A	DET BOUND 3100°K B "L"	55	55
7B	DET BOUND 3100°K B "H"	0A	0A
7C	DET BOUND 3100°K R "L"	66	66
7D	DET BOUND 3100°K R "H"	1A	1A
7E	5100°K B ctrl	-	-
7F	5100°K R ctrl	-	-
80	DET BOUND 5100°K B "L"	55	55
81	DET BOUND 5100°K B "H"	11	11
82	DET BOUND 5100°K R "L"	AA	AA
83	DET BOUND 5100°K R "H"	10	10
84		06	06
85	Y UP (TOP) LIMIT	80	80
86	DET MARGINE 3100°K B "L"	80	80
87	DET MARGINE 3100°K B "H"	02	02
88	DET MARGINE 5100°K R "L"	00	00
89	DET MARGINE 5100°K R "H"	02	02
8A	BLUE OUTDOOR BOTTOM (HALL)	80	80
8B	RED OUTDOOR TOP (HALL)	02	02
8C	W/B TARGET B (80h CENTOR)	7E	7E
8D	W/B TARGET R (80h CENTOR)	7E	7E
8E	V REF Y	34	34
8F	LENS ADJUST TIME IRIS TARGET	30	30
90		-	-
91	SET UP CTRL (AGC)	02	02
92	CHROMA SUPPRESS CTRL (AGC)	80	80
93	HALL SPEC	FF	FF
94	PCB ZOOM "L"	00	00
95	PCB ZOOM "H"	80	80
96	PCB FOCUS "L"	00	00
97	PCB FOCUS "H"	82	82
98	AWB AUTO ADJUST	-	-
99	A/D OFFSET AUTO ADJUST	-	-
9A	A/D OFFSET MARGIN MAX(LSB)	10	10

ADDRESS	NAME OF ADJUSTMENT	DATA1	DATA2
9B	A/D OFFSET MARGIN MAX(MSB)	00	00
9C	W/B SPEED (NORMAL)	1E	1E
9D	W/B SPEED (MAGENTA RANGE)	07	07
9E	AE TARGET PER. (AGC ADJUST TIME)	50	50
9F	AGE AUTO ADJUST	-	-
A0	FOCUS DETECT SPEC (D3)	E4	E4
A1	FOCUS DETECT SPEC (D8)	A3	A3
A2	ZOOM LOW (D7)	FA	FA
A3	ZOOM HIGH (D7)	9D	9D
A4	FOCUS LOW (D7)	70	70
A5	FOCUS HIGH (D7)	87	87
A6	SAND/SNOW IRIS CTRL	07	07
A7	3100°K B CTRL	86	86
A8	3100°K R CTRL	0B	0B
A9	5100°K B ↓ CTRL	87	87
AA	5100°K B ↑ CTRL	10	10
AB	LENS AUTO ADJUST	-	-
AC	FOCUS PULSE ADJUST LOW	72	72
AD	FOCUS PULSE ADJUST HIGH	82	82
AE	ZOOM PULSE ADJUST LOW	CD	CD
BF	ZOOM PULSE ADJUST HIGH	A3	A3
B0	ZOOM WIDTH ADJUST LOW	29	29
B1	ZOOM WIDTH ADJUST HIGH	00	00
B2	IRIS AUTO ADJUST	-	-
B3	IRIS CTRL DATA (HALL CLOSE)	E6	E6
B4	IRIS CTRL DATA (HALL OPEN)	24	24
B5	HALL AUTO ADJUST	-	-
B6	HALL GAIN START VALUE	6F	6F
B7	HALL VALUE AT IRIS OPEN	E4	E4
B8	HALL VALUE AT IRIS CLOSE	14	14
B9	AE TARGET ADJUST	-	-
BA	AE TARGET LOW BYTE	58	58
BB	AE TARGET HIGH BYTE	08	08
BC	AGC MIN. VALUE	3B	3B
BD	AGC MAX. VALUE	D0	D0
BE	AGC START VALUE	CC	CC
BF	AE TARGET (BLC ON TIME)	0F	0F
C0	SEPIA HUE ADJUST	B8	B8
C1	SEPIA COLOR GAIN	25	25
C2	W/B DET LEFT LOW	00	00
C3	W/B DET LEFT HIGH	03	03
C4	FLD (CINEMA)	01	01
C5	HALL B "H" (INDOOR)	65	65
C6	HALL CHANGE	03	03
C7	TB UP PERCENT	60	60
C8	TR DOWN PERCENT	60	60
C9	TB DOWN PERCENT	80	80
CA	TR UP PERCENT	80	80
CB	YE DETECT RANGE	01	01
CC	R DETECT RANGE	02	02
CD	PB MODE	07	07
CE	CVF ADJUST MODE		
CF	CVF INITIAL		
D0	FOCUS ADJUST		
D1	HALL DETECT		
D2	AGC DETECT		
D3	FUCUS DETECT		
D4	GYRO H SENSOR DETECT		
D5	GYRO V SENSOR DETECT		
D6			
D7			

ADDRESS	NAME OF ADJUSTMENT	DATA1	DATA2
D8	FOCUS DETECT (A1)		
D9	COLOR ADJUST		
DA			
DB			
DC			
DD			
DE			
DF			
E0	IRIS SPEED 1	08	08
E1	IRIS SPEED 2	10	10
E2	IRIS SPEED 3	10	10
E3	IRIS SPEED 4	10	10
E4	IRIS SPEED 5	10	10
E5	IRIS SPEED 6	10	10
E6	IRIS SPEED 7	10	10
E7	IRIS SPEED 8	18	18
E8	IRIS SPEED 9	30	30
E9	IRIS SPEED 10	80	80
EA	IRIS SPEED 11	FF	FF
EB	IRIS SPEED 12	FF	FF
EC	IRIS SPEED 13	FF	FF
ED	IRIS SPEED 14	FF	FF
EE	IRIS SPEED 15	FF	FF
EF	IRIS SPEED 16	FF	FF
F0	IRIS SPEED 17	40	40
F1	IRIS SPEED 18	40	40
F2	IRIS SPEED 19	40	40
F3	IRIS SPEED 20	40	40
F4	IRIS SPEED 21	40	40
F5	IRIS SPEED 22	3F	3F
F6	IRIS SPEED 23	38	38
F7	IRIS SPEED 24	30	30
F8	IRIS SPEED 25	28	28
F9	IRIS SPEED 26	20	20
FA	IRIS SPEED 27	18	18
FB	IRIS SPEED 28	10	10
FC	IRIS SPEED 29	10	10
FD	IRIS SPEED 30	10	10
FE	IRIS SPEED 31	10	10
FF	IRIS SPEED 32	10	10

Note 1: "XX XX" indicates variable values.

Initial data by models.

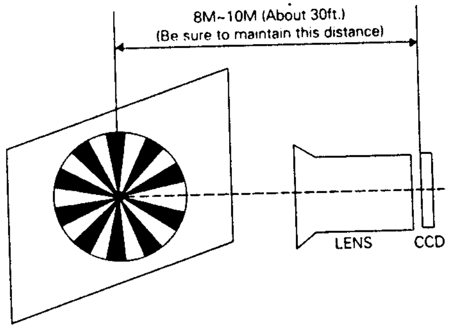
ADDRESS	NAME OF ADJUSTMENT	DATA1	DATA2	MODELS
10	CCD SELECT	02	02	VP-L90
		06	06	VP-L95
11	DSP SYS. CTRL	3B	3B	VP-L90
		3F	3F	VP-L95
17	H DELAY LSB	49	49	VP-L90
		20	20	VP-L95
20	Y SIGNAL COMB FILTER ADJUST	03	03	VP-L90
		01	01	VP-L95
21	VCR MODE SELECT	00	00	VP-L90
		02	02	VP-L95
22	Y DROP OUT	00	00	VP-L90
		01	01	VP-L95
2B	V/H APERTURE SLICE LEVEL	06	06	VP-L90
		05	05	VP-L95
31	R-Y HUE MINUS	FD	FD	VP-L90
		FC	FC	VP-L95
34	B-Y HUE PLUS	F7	F7	VP-L90
		F6	F6	VP-L95
35	R-Y HUE PLUS	0D	0D	VP-L90
		08	08	VP-L95
3A	Y SIGNAL DELAY	03	03	VP-L90
		0A	0A	VP-L95
3C	H APERTURE	01	01	VP-L90
		02	02	VP-L95
4D	AE DET. AREA H START	1B	1B	VP-L90
		1F	1F	VP-L95
4E	AE DET. AREA H WIDTH	08	08	VP-L90
		0C	0C	VP-L95
52	AWB DET. AREA H START	1B	1B	VP-L90
		20	20	VP-L95
53	AWB DET. AREA H WIDTH	08	08	VP-L90
		0C	0C	VP-L95
5D	AFD (CXD2418R) WORD 01	20	20	VP-L90
		28	28	VP-L95
5F	AFD (CXD2418R) WORD 03	14	14	VP-L90
		19	19	VP-L95
6C	MODEL	52	52	VP-L90
		57	57	VP-L95
6E	V REF C	7E	7E	VP-L90
		5E	5E	VP-L95
6F	V DELAY	02	02	VP-L90
		04	04	VP-L95
74	AE TARGET (AGC CTRL TIME)	D8	D8	VP-L90
		C0	C0	VP-L95
76	R-Y GAIN MINUS PERCENT	80	80	VP-L90
		7A	7A	VP-L95
77	B-Y GAIN MINUS PERCENT	60	60	VP-L90
		50	50	VP-L95
8E	V REF Y	3C	3C	VP-L90
		34	34	VP-L95
BB	AE TARGET HIGH BYTE	07	07	VP-L90
		06	06	VP-L95
BD	AGC MAX. VALUE	D8	D8	VP-L90
		D0	D0	VP-L95
BF	AE TARGET. (BLC ON TIME)	0A	0A	VP-L90
		0C	0C	VP-L95
CD	PB MODE	01	01	VP-L90
		07	07	VP-L95

5-2-2 Camera System Adjustment

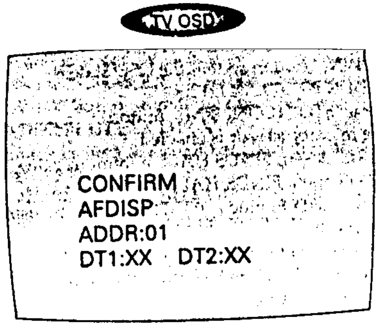
1. Focus to zoom tracking

Note : To maintain proper focus throughout the zoom range, the focus lens position must be changed as the zoom lens is moved. During this adjustment the microprocessor will measure the focus positioning requirements at the wide and telephoto positions of the zoom lens.

1) Camera "E-E".
2) Focus chart (Attached to the last page of this manual) and EVR.
3) Aim the camera at the focus chart, which should be placed about 30ft. (8 to 10 meters) away and perpendicular to the center of the lens. The chart should be placed on a gray or white wall.
4) Connect monitor TV jack to video(output) jack.
5) Press the "F.F (MODE UP)" and "REW (MODE DOWN)" button, so that the OSD state is "ADDR:AB DT1:XX DT:2XX".
6) Press "STOP (CONFIRM)" button for full auto adjustment. The camera will move both zoom and focus lens. The adjustment is finished when the DT1 and DT2 become same.

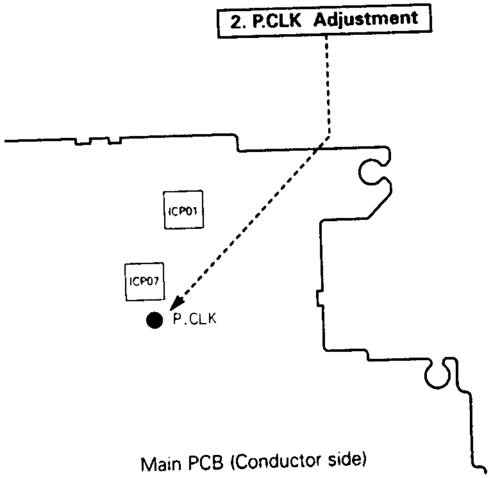


Note : "XX XX" indicates variable values.



2. P. CLK Adjustment

1) "Camera", no signal input.
2) 14.1875M(TP) and EVR.
3) Video(output) jack and EVR.
4) Connect a frequency counter to 14.1875M(TP).
5) Press the "F.F(MODE UP)/REW(MODE DOWN)" button so that the OSD state is "ADDR:07 DT1:XX DT2:XX".
6) Adjust the "PLAY (DATA UP)/STILL (DATA DOWN)" button so that the frequency is 14.1875MHz ± 100Hz (VP-L95) 9.43750MHz ± 100Hz (VP-L90).
7) Press the "STOP(CONFIRM)" button to memorize setting.
8) DT1 and DT2 become same.



3. Auto hall

1) Camera "E-E", no signal input.
2) Video(output) jack and EVR.
3) Connect monitor TV to video output jack.
4) Press the "F.F (MODE UP)/REW (MODE DOWN)" button so that the OSD state is "ADDR:B5 DT1:XX DT2:XX".
5) Press "STOP (CONFIRM)" button.
6) The microprocessor is enabled :
   a. IRIS closed, FINDS HALL minimum value,
   b. IRIS open, FINDS HALL maximum value,
   c. Store data to mode "03"(HALL REF) by using the a, b.
   d. Store data to mode "04" (HALL GAIN).
   e. After IRIS is closed, confirm the FINDS HALL minimum value.
7) "DT1:00" changes to "DT1:24".

4. IRIS Adjustment

1) Camera "E-E", 3100°K gray-scale chart.
2) Video(output) jack and EVR.
3) Connect video output jack to waveform monitor input jack and monitor TV jack respectively.
4) Press the "F.F (MODE UP)/REW (MODE DOWN)" button so that the OSD state is "ADDR:B2 DT1:XX DT2:XX".
5) Aim the camera at a gray-scale chart (evenly illuminated at 1500 to 2000 lux - At 40us).
6) Press the "STOP (CONFIRM)" button, The microprocessor is enabled :
   - IRIS open, finds the value of the IRIS maximum control : when the value of the hall is maximum.
   - IRIS close, finds the value of the IRIS minimum control : when the value of the hall is minimum.
7) "DT1:00" changes to "DT1:24".

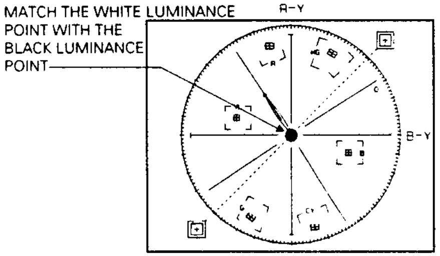
5. Auto AGC control

1) Camera "E-E", 3100°K gray-scale chart.
2) Video(output) jack and EVR.
3) Connect monitor TV to video output jack.
4) Press the "F.F (MODE UP)/REW (MODE DOWN)" button so that the OSD state is "ADDR:9F DT1:XX DT2:XX".
5) Aim the camera at a gray-scale chart (evenly illuminated at 1500 to 2000 lux - At least 40us).
6) Press "STOP (CONFIRM)" button.
7) The microprocessor is enabled :
   - Find AGC minimum point data and store to mode BC.
   - Find AGC start point data, and store to mode BE.
7) "DT1:00" changes to "DT1:XX".

6. Auto white balance

1) Camera "E-E", 3100°K/5100°K gray-scale chart.
2) Video(output) jack and EVR.
3) Press the "F.F (MODE UP)/REW (MODE DOWN)" button so that the OSD state is "ADDR:98 DT1:XX DT2:XX".
4) Connect vectorscope input jack to video output jack.

a. W/B Indoor
a-1. Aim the camera at a 3100°K gray-scale chart illuminated at 1500 to 2000 lux. (40us)
a-2. Press "STOP (CONFIRM)" button so that the white vector moves to the center on screen of the vectorscope.

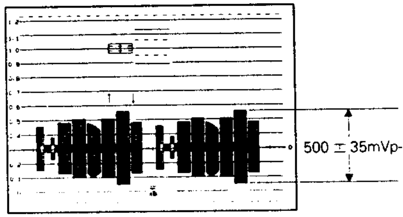

MATCH THE WHITE LUMINANCE POINT WITH THE BLACK LUMINANCE POINT

b. W/B Outdoor
b-1. Aim the camera at a 5100°K(or 3100°K and C16 filter) gray-scale chart illuminated at 1500 to 2000 lux. (40us)
b-2. Press "STOP (CONFIRM)" button.

7) "DT1:00" changes to "DT1:XX".

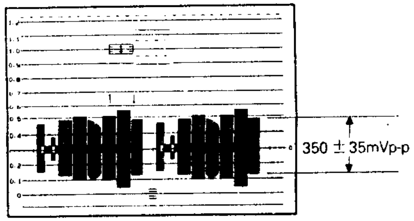
7. R-Y Gainplus

1) Camera "E-E", 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video output jack to waveform monitor input jack and monitor TV jack.
4) Press the "F.F (MODE UP)/REW (MODE DOWN)" button so that the OSD state is "ADDR:36 DT1:XX DT2:XX".
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lux.
6) Adjust the "PLAY (DATA UP)/STILL(DATA DOWN)" button so that the red level is 500mVp-p ± 35mV.
7) Press the "STOP (CONFIRM)" button to memorize setting.
8) DT1 and DT2 become same.



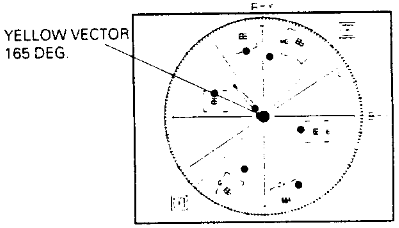
8. B-Y Gainplus

1) Camera "E-E", 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video output jack to waveform monitor input jack and monitor TV jack.
4) Press the "F.F (MODE UP)/REW (MODE DOWN)" button so that the OSD state is "ADDR:33 DT1:XX DT2:XX".
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lux.
6) Adjust the "PLAY (DATA UP)/STILL (DATA DOWN)" button so that the blue level is 350mVp-p ± 35mV.
7) Be sure to press the "STOP (CONFIRM)" button to memorize setting.
8) DT1 and DT2 become same.



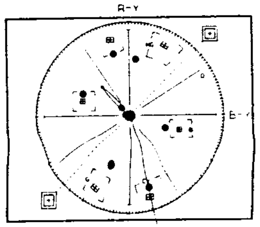
9. R-Y Hue Minus

1) Camera "E-E", 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video output jack to vectorscope input jack and monitor TV jack.
4) Press the "F.F (MODE UP)/REW (MODE DOWN)" button so that the OSD state is "ADDR:31 DT1:XX DT2:XX".
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lux.
6) Adjust the "PLAY (DATA UP)/STILL (DATA DOWN)" button so that the yellow vector is 165 ± 10 deg.
7) Press the "STOP (CONFIRM)" button to memorize setting.
8) DT1 and DT2 become same.


YELLOW VECTOR 165 DEG.

10. B-Y Hue Minus

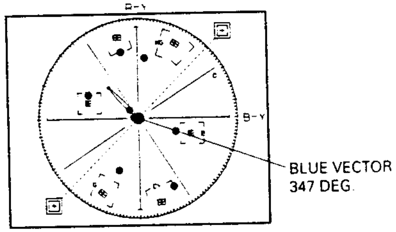
1) Camera "E-E", 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video output jack to vectorscope input jack and monitor TV jack.
4) Press the "F.F (MODE UP)/REW (MODE DOWN)" button so that the OSD state is "ADDR:30 DT1:XX DT2:XX".
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lux.
6) Adjust the "PLAY (DATA UP)/STILL (DATA DOWN)" button so that the cyan vector is 285 ± 10 deg.
7) Press the "STOP (CONFIRM)" button to memorize setting.
8) DT1 and DT2 become same.



CYAN VECTOR 285 DEG

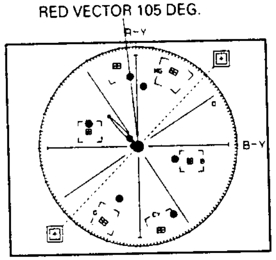
11. R-Y Hue Plus

1) Camera "E-E", 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video output jack to vectorscope input jack and monitor TV jack.
4) Press the "F.F (MODE UP)/REW (MODE DOWN)" button so that the OSD state is "ADDR:35 DT1:XX DT2:XX".
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lux.
6) Adjust the "PLAY (DATA UP)/STILL (DATA DOWN)" button so that the blue vector is 347 ± 10 deg.
7) Press the "STOP (CONFIRM)" button to memorize setting.
8) DT1 and DT2 become same.



12. B-Y Hue Plus

1) Camera "E-E", 3100°K color bar chart.
2) Video(output) jack and register of EEPROM.
3) Connect video output jack to vectorscope input jack and monitor TV jack.
4) Press the "F.F (MODE UP)/REW (MODE DOWN)" button so that the OSD state is "ADDR:34 DT1:XX DT2:XX".
5) Aim the camera at a color bar chart illuminated at 1500 to 2000 lux.
6) Adjust the "PLAY (DATA UP)/STILL (DATA DOWN)" button so that the red vector is 105 ± 10 deg.
7) Press the "STOP (CONFIRM)" button to memorize setting.
8) DT1 and DT2 become same.



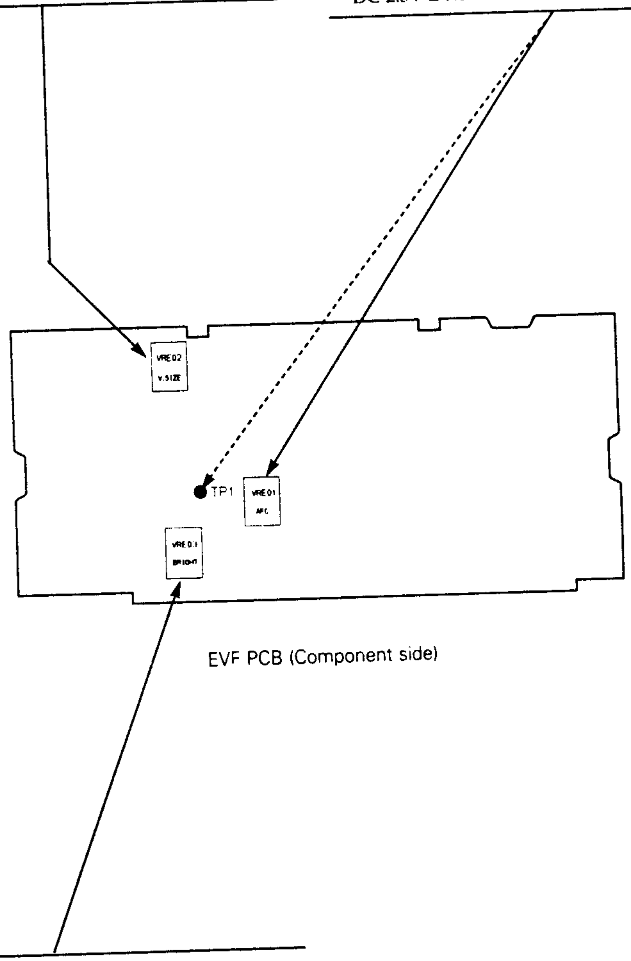
5-2-3 EVF Adjustment

1. AFC

1) VCR "PB", Alignment tape (Lion pattern).
2) TP1 and VRE01.
3) Connect digital voltmeter probe to TP1.
4) Adjust VRE01 so that the voltage is DC 2.5V ± 0.1V.

2. V. Size

1) VCR "PB", Alignment tape (Lion pattern).
2) Viewfinder and VRE02.
3) Adjust VRE02 so that the counter circle on the lion pattern is perfect by round.



EVF PCB (Component side)

3. Bright

1) VCR "PB", Alignment tape (Lion pattern).
2) Viewfinder and VRE03.
3) Adjust the VRE03 so that the 3rd and 4th steps of the lion pattern can be distinguished.

5-2-4 LCD Adjustment

5-2-4 (a) PREPARATION

Note 1 : 1) The LCD adjustment is possible by using the each key of remote control ass'y.
2) The value completed adjustment are stored at ICL202(EEPROM).
3) When finish adjustment, it is needed to off the power to store adjusted value.
4) After each adjustment stop is completed, OSD shows "COMFIRM!"

1. How to select the LCD adjust mode.

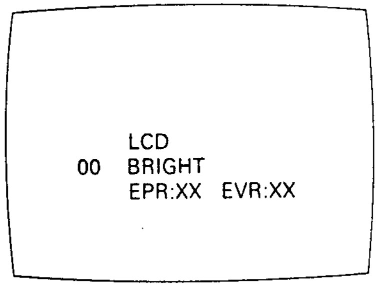
STEP 1

1. Connect the power (battery or power cable).
2. Remove tape and close the housing.
3. Switch to "VIDEO" mode.
4. Set OSD on state.

STEP 2

1. Press and hold "TAPE EJECT" button on the unit and "START/STOP" button on the remote control card for more than 5~6 seconds simultaneously.
2. There is OSD on screen as below.

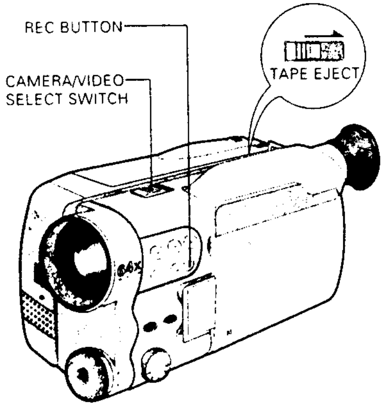
TV OSD



LCD
00 BRIGHT
EPR:XX EVR:XX

On screen display shows "OO BRIGHT EPR:XX EVR:XX" LCD adjustment mode has successfully been activated.

Note : "XX XX" indicates variable values.

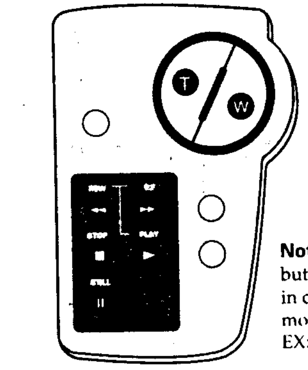


2. Remote Control Operation :

Using Button	Adjustment
START/STOP (MODE CHANGE)	When changing the adjustment mode.
TELE (DATA UP)	When changing data value of adjust state.
WIDE (DATA DOWN)	
DISPLAY (CONFIRM)	Data store after finishing adjustment by "DATA UP/DATA DOWN" button.

The accessory Remote-Control Card (Part Number : AD59-10379A) is used to control the camcorder. It is also used for adjustment of the camera section.

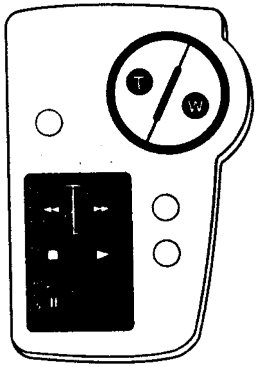
Remote for comcorder adjust for jig (Part No. : AD59-10379A).



Reassignment in the adjustment mode.

Note : In service adjustment mode, button names are different from those in customer VCR function control mode.
EX: "DISPLAY" button is the same as "CONFIRM".

Button placement when remote is used for service adjustment.



Note : In service adjustment mode, button names are different from those in customer LCD function control mode. EX : "DISPLAY" button is the same as "CONFIRM".

3. Adjust mode table

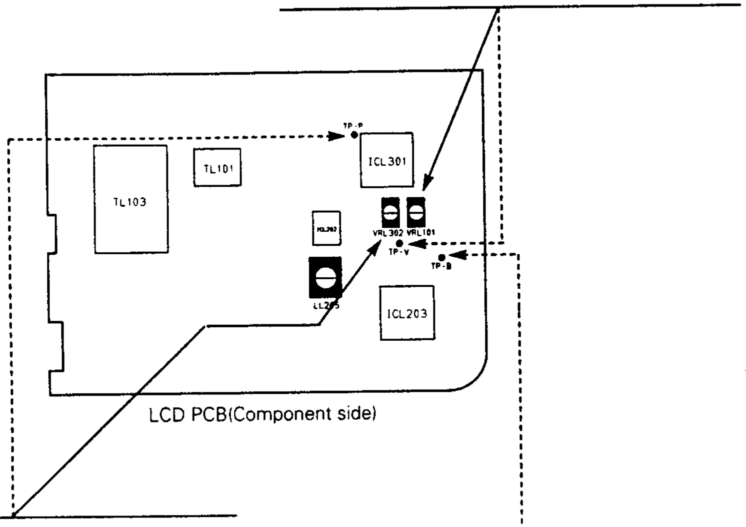
ADDRESS	MODE	EPR	EVR	MEAN	REMARK
00	BRIGHT	XX	XX	BRIGHT	ADJUST
01	GAMMA	94	94	GAMMA GAIN	FIXED
02	CONTRAST	92	92	CONTRAST	FIXED
03	TINT	XX	XX	TINT	ADJUST
04	COLOR	XX	XX	COLOR	ADJUST
05	R-SUB	80	80	R-BRIGHT	FIXED
06	B-SUB	7D	7D	B-BRIGHT	FIXED

After finishing the adjustment, reset the main power source (OFF-ON) to memorize the adjustment data in EEPROM.

5-2-4 (b) ADJUSTMENT

1. 12V Voltage

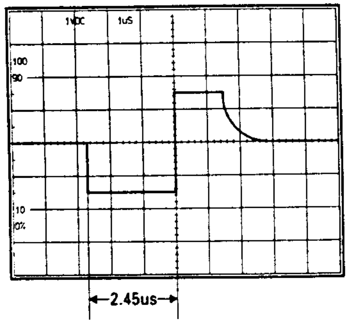
1) VCR "STOP", no signal.
2) TP-V and VRL101.
3) Connect the probe of digital voltmeter to TP-V.
4) Adjust DC12V ± 0.1V by control of VRL101.



LCD PCB(Component side)

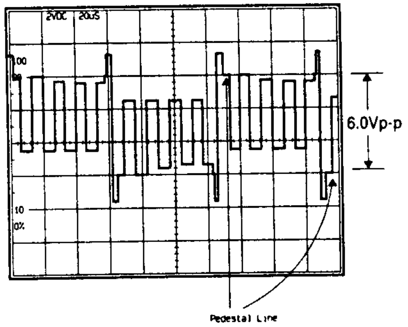
2. PLL

1) VCR "STOP", no signal.
2) TP-P and VRL302.
3) Connect the probe of oscilloscope to TP-P.
4) Adjust the duty of negative part of signal to 2.45μs ± 0.2μs by control of VRL302.



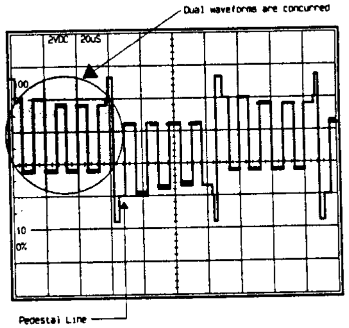
3. Bright

1) VCR "PB", Alingment tape (Color bar).
2) TP-B and EVR.
3) Connect the probe of oscilloscope to TP-B.
4) By using "START/STOP" button of remote control ass'y, adjust the voltage between pedestals and 6V.
5) Confirm with "DISPLAY" button of remote control ass'y.



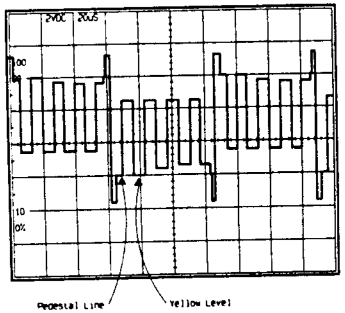
5. Trap Filter

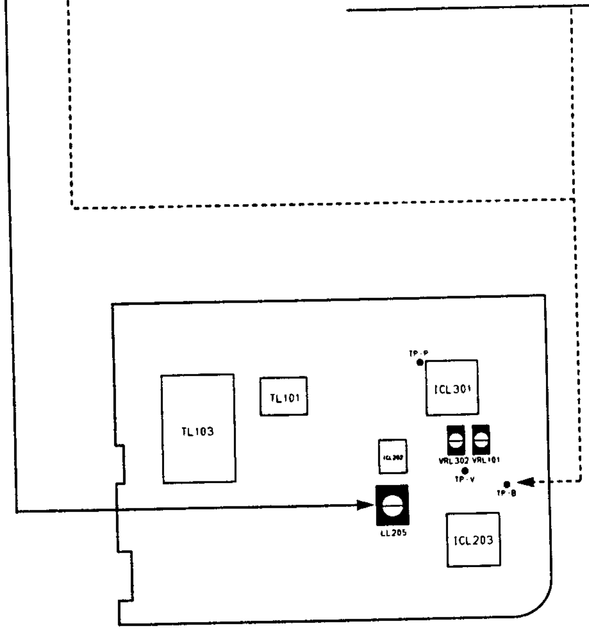
1) VCR "PB", Alignment tape (Color bar).
2) TP-B and LL205.
3) Connect the probe of oscilloscope to TP-B.
4) Adjust LL205 so that aual waveform are concurred.



4. Color

1) VCR "PB", Alignment tape (Color bar).
2) TP-B and EVR.
3) Connect the probe of oscilloscope to TP-B.
4) By using "START/STOP" button of remote control ass'y, change the adjustment address to 04 COLOR EPR:XX EVR:XX.
5) By using the "TELE/WIDE" button of remote control ass'y, adjust the yellow level is same as pedestal level.
6) Confirm with "DISPLAY" button of remote control ass'y.





LCD PCB(Component side)

5-3 VCR Section Adjustment

5-3-1 Preparation

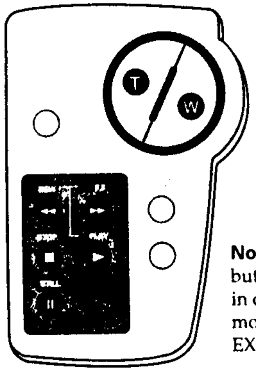
Note : This system is
1. EVR (Electronic variable resistor) control method by D/A Converter instead of VR control method.
2. EEPROM to store the confirmed adjustment data.
3. All adjustment steps except DC/DC Converter adjust should be performed using the remote control card.
4. Readjustment is needed when the EEPROM (IC507 of main board) is replaced.
   The reason is that EEPROM store confirmed adjustment value of each adjustment step.
5. Press the display button of remote control card when each adjustment step is completed to write the adjustment data to the EEPROM.
6. After finishing the "MODEL SET" adjustment, turn the main power source off to memorize the adjustment data in EEPROM.

1. Remote Control and unit Operation :

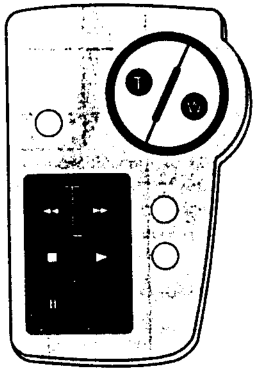
Using Button	Adjustment	Remark
Z.MEM (MODE CHANGE)	When changing the adjustment mode.	UNIT
TELE (DATA UP)	When changing data value of adjust state.	REMOTE CONTROL CARD
WIDE (DATA DOWN)		
DISPLAY (CONFIRM)	Data store after finishing adjustment by "DATA UP/DATA DOWN" button.	REMOTE CONTROL CARD

The accessory Remote-Control Card (Part Number : AD59-10379A) is used to control the camcorder. It is also used for adjustment of the camera section.

Remote for comcorder
adjust for jig (Part No. : AD59-10379A).



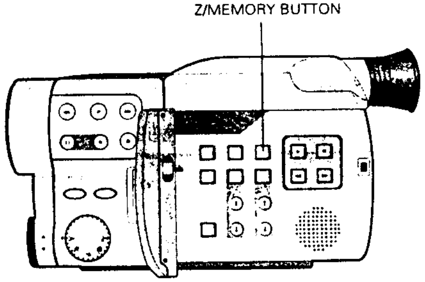
Button placement when remote is
used for service adjustment.



Reassignment in the
adjustment mode.

Note : In service adjustment mode, button names are different from those in customer VCR function control mode.
EX: "DISPLAY" button is the same as "CONFIRM".

The "Z/MEM" button of unit is used for adjustment of VCR section when servicing.



2. How to select the adjust mode.

STEP 1
1. Connect the power source (battery/DC cable).
2. Set the "CAMERA/VIDEO" switch to "VIDEO" position.
3. Press the "TAPE EJECT" button to eject mode.

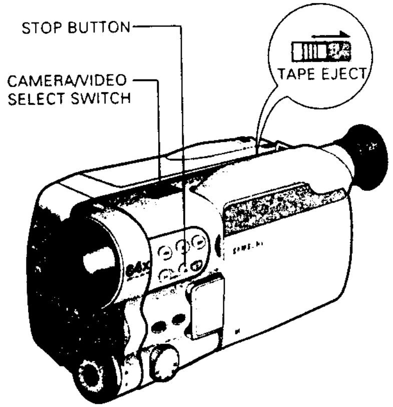
STEP 2
1. Press and hold "STOP" and "TAPE EJECT" buttons on unit for more than 5 seconds.

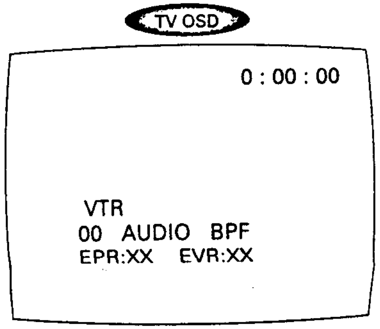
On screen display shows "00 AUDIO BPF" as shown below, VCR adjustment mode has successfully been activated.

Note : "XX XX" indicates variable values.

Insert an alignment tape into the housing and then perform the adjustment.

- To cancel the adjustment mode, remove the power source.





0 : 00 : 00

VTR
00 AUDIO BPF
EPR:XX EVR:XX

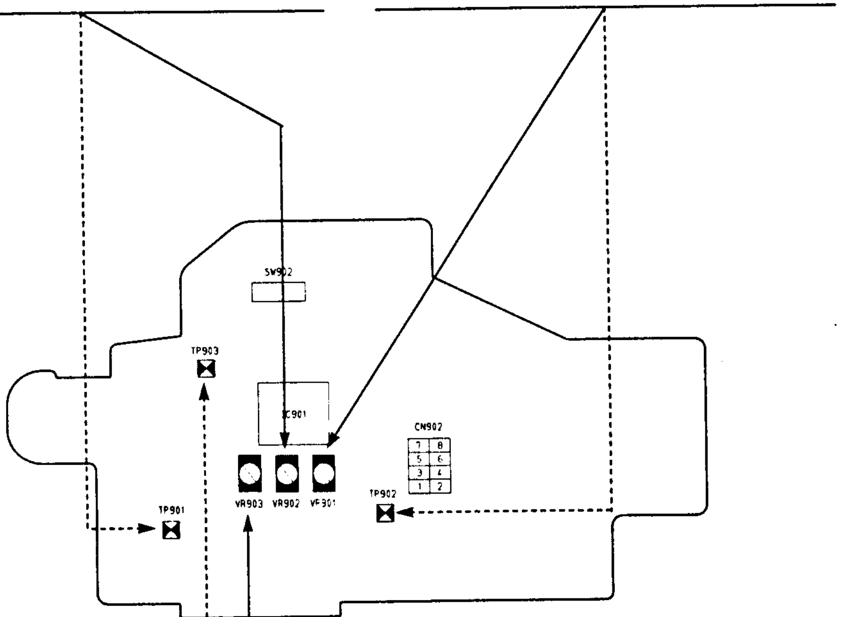
5-3-3 DC/DC Converter Section

2. SS 3V

1. Camera, no signal input.
2. TP901 and VR902.
3. • Set the knob-rotary to the camera mode.
   - Connect digital voltmeter probes to TP902.
   - Adjust VR902 for DC3.25 ± 0.05V.

1. SS 5V

1. Camera, no signal input.
2. TP902 and VR901.
3. • Set the knob-rotary to the camera mode.
   - Connect digital voltmeter probes to TP901.
   - Adjust VR901 for DC5.05 ± 0.05V.



DC/DC Converter PCB (Component side)

3. Camera 15V

1. Camera, no signal input.
2. TP903 and VR903.
3. • Set the knob-rotary to the camera mode.
   - Connect digital voltmeter probes to TP903.
   - Adjust VR903 for DC15.2 ± 0.2V.

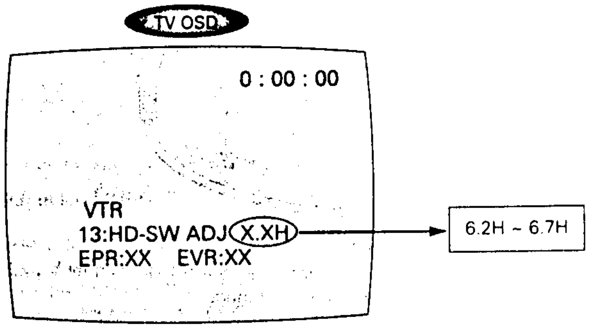
5-3-4 Servo Section

1. Head Switching

1) PB, color bar tape.
2) LCD/CVF and EVR.
3) Confirm the Head switch mode by pressing the "Z/MEMO (MODE CHANGE)" button of unit.
4) Press the "WIDE (DATA DOWN)/TELE(DATA UP)" button on remote control card so that Head switching data in TV monitor is 6.2H ~ 6.7H.
5) Press the "DISPLAY (CONFIRM)" button on remote control card to memorize setting.

2. Model Set

1) STOP
2) EVF/CVF/LCD and EVR.
3) Confirm the "VTR-MODEL" mode by pressing the "Z/MEMO (MODE CHANGE)" button of set.
4) Press the "WIDE(DATA DOWN)/TELE(DATA UP)" button on remote control card so that OSD show "6C MODEL EPR:XX EVR:XX".
   - "XX" is different depend on the models as shown below.
     VP-L90 : 82
     VP-L95 : 95
5) Be sure to press the "DISPLAY (CONFIRM)" button on unit to momorize setting.
6) After finishing the adjustment reset main power souce (off-on) to operate the momorized model.

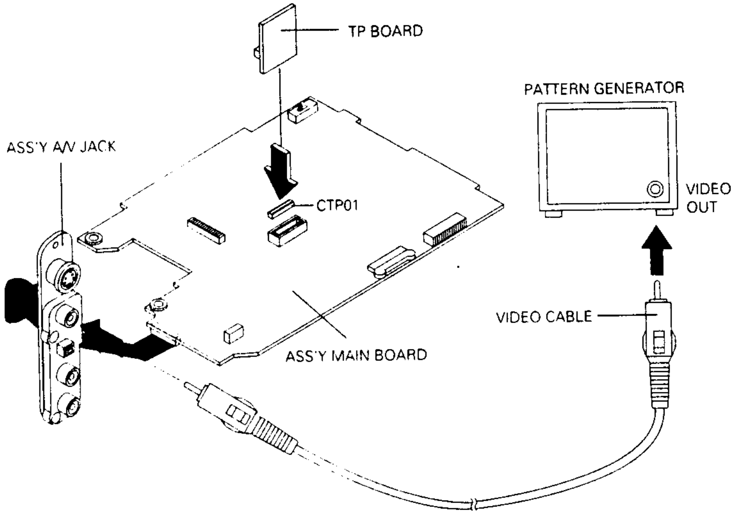


5-3-5 Video Section

Note 1 :

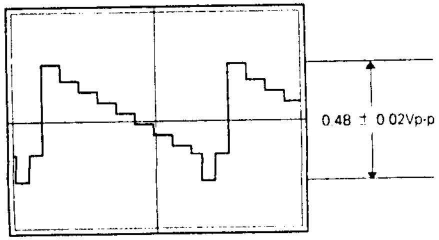
1. See page 5-23 for the location of test points and adjustments.
2. How to connect VCR adjustment jig :

1) Insert TP board into CTP01 of main PCB.
2) Connect video out of pattern generator to A/V jack.
3) Eliminate the chroma signal of pattern generator by switch of it.



1. Y-Emphasis

1) Rec, 100% color bar signal.
2) Pin 13 of IC201 and EVR.
3) Confirm the "04 : Y-Emphasis" mode by pressing the "Z/MEMO (MODE CHANGE)" button of unit.
4) Connect an oscilloscope to pin 13 of IC201.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button on remote control card so that the pin 13 of IC201 is 0.5 ± 0.02Vp-p from SYNC tip to peak level.
6) Be sure to press the "DISPLAY (CONFIRM)" button on unit or remote control card to memorize setting.



Note 2 :
How to record- Press the "START/STOP" button on unit at adjustment mode.

2. Y-FM Carrier Frequency (Hi-8)

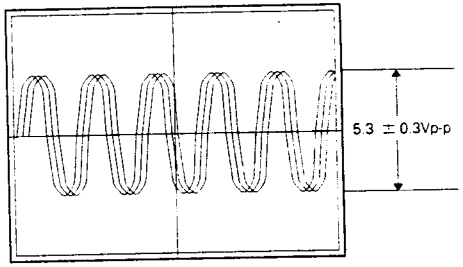
1) Rec, no signal input.
2) Pin 41 of IC201 and EVR
3) Confirm the "12 : CARRIER" mode by pressing the "Z/MEMO (MODE CHANGE)" button of unit.
4) Connect an oscilloscope to pin 41 of IC201.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button on remote control card so that frequency of pin 41 of IC201 is 5.95 ± 0.2MHz.
6) Be sure to press the "DISPLAY (CONFIRM)" button on unit or remote control card to memorize setting.

3. Y-FM Carrier Frequency (Normal)

1) Normal Rec, no signal input.
2) Pin 41 of IC201 and EVR
3) Confirm the "0D : CARRIER" mode by pressing the "Z/MEMO (MODE CHANGE)" button of unit.
4) Connect an oscilloscope to pin 41 of IC201.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button on remote control card so that frequency of pin 41 of IC201 is 4.36 ± 0.2MHz.
6) Be sure to press the "DISPLAY (CONFIRM)" button on unit or remote control card to memorize setting.

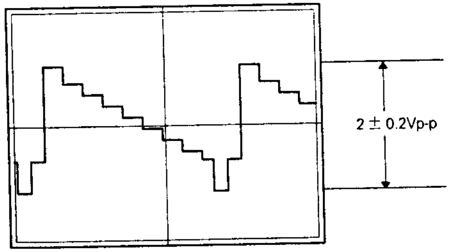
4. REC Y Level

1) Rec, 100% color bar signal
2) Pin 41 of IC101 and EVR
3) Confirm the "0F : REC Y" mode by pressing the "Z/MEMO (MODE CHANGE)" button of unit.
4) Connect an oscilloscope to pin 41 of IC101.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button on remote control card so the level of pin 5 of CN101 is 5.0 ± 0.3Vp-p.
6) Be sure to press the "DISPLAY (CONFIRM)" button on unit or remote control card to memorize setting.



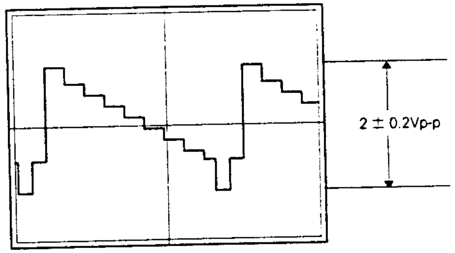
5. PB output level (Hi-8)

1) PB, Hi-8 color bar signal.
2) CE206 and EVR.
3) Confirm the "10 : PB Y1" mode by pressing the "Z/MEMO (MODE CHANGE)" button of unit.
4) Connect an oscilloscope to CE206.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button on remote control card so the level of CE206 is 2 ± 0.2Vp-p.
6) Be sure to press the "DISPLAY (CONFIRM)" button on unit or remote control card to memorize setting.



6. PB Output Level (Normal)

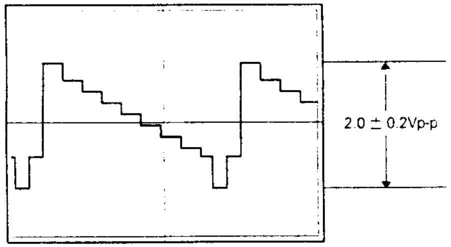
1) PB, Normal color bar signal.
2) CE206 and EVR.
3) Confirm the "02 : PB Y1" mode by pressing the "Z/MEMO (MODE CHANGE)" button of unit.
4) Connect an oscilloscope to CE206.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button on remote control card so the level of CE206 is 2 ± 0.2Vp-p.
6) Be sure to press the "DISPLAY (CONFIRM)" button on unit or remote control card to memorize setting.



7. Y-FM Deviation

Note : Confirm that "Y-FM Carrier Frequency" and "PB Output Level(Hi-8/Normal)" adjustment have been completed.

1) Rec PB, 100% color bar signal.
2) CE201 and EVR (VP-L95)
   CE206 and EVR (VP-L90).
3) Confirm the "03 : DEVIATION" mode by pressing the "Z/MEMO (MODE CHANGE)" button of unit.
4) Record the color bar signal at adjustment mode.
5) Turn power on/off and then playback the recorded signal.
6) Confirm the playback output of CE201 (VP-L95) or CE206 (VP-L90). (Specified value: 2.0 ± 0.2Vp-p)
7) If the specified value is not satisfied, repeat the last three steps.
   - When larger than specified value : press the "WIDE (DATA DOWN)" button on remote control card and then press the "DISPLAY (CONFIRM)" button on unit or remote control card.
   - When smaller than specified value : press the "TELE (DATA UP)" button on remote control card and then press the "DISPLAY (CONFIRM)" button on unit or remote control card.



8. C-Emphasis

"05 : C-Emphasis" adjustment is fixed to EVR data 1A.

9. MT-G

"07 : MT-G" adjustment is fixed to EVR data D0 (VP-L95), C3 (VP-L90).

10. MT-Q

"08 : MT-Q" adjustment is fixed to EVR data 21.

11. MT-f_0

"09 : MT-f_0" adjustment is fixed to EVR data 7A (VP-L95), 3A (VP-L90).

12. White Clip (Hi-8)

"11 : White Clip (Hi-8)" adjustment is fixed to EVR data 55.

13. White Clip (Normal)

"0A : White Clip (Normal)" adjustment is fixed to EVR data 84.

14. REC C

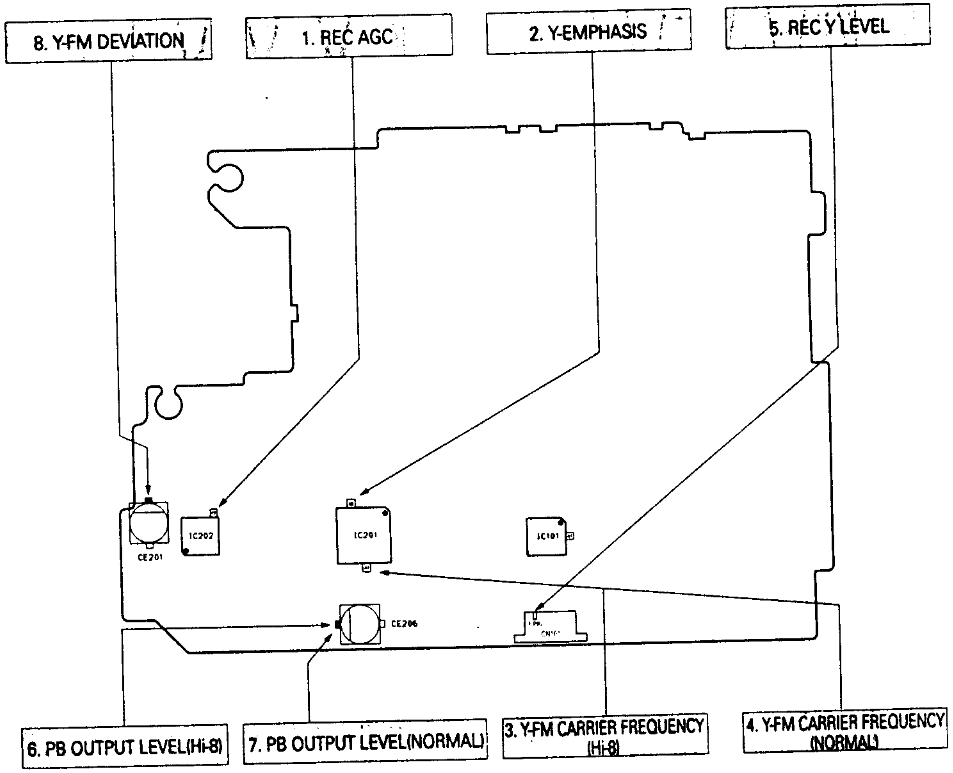
"0E : REC C" adjustment is fixed to EVR data E5.

◆ Test point and adjustment point

Note 1 : EX) CE201 (CE206) = VP-L95 (VP-L90), D0 (C3) = VP-L95 (VP-L90)

NO	ADDRESS	Adjustment name	Test point	Adjustment point	Spec.
1	04	T-Emphasis	Pin 13 of IC201	EVR	0.5 ± 0.02Vp-p
2	12	Y-FM Carrier Frequency (Hi-8)	Pin 41 of IC201	EVR	5.06 ± 0.3MHz
3	0D	Y-FM Carrier Frequency (Normal)	Pin 41 of IC201	EVR	4.36 ± 0.2MHz
4	0F	REC Y Level	Pin 5 of CN101	EVR	5.0 ± 0.3Vp-p
5	10	PB Out Level (Hi-8)	CE206	EVR	2 ± 0.2Vp-p
6	02	PB Out Level (Normal)	CE206	EVR	2 ± 0.2Vp-p
7	03	Deviation	CE201 (CE206)	EVR	2 ± 0.2Vp-p
8	05	C-Emphasis	-	EVR Data Fixed	1A
9	07	MT-G	-	EVR Data Fixed	D0 (C3)
10	08	MT-Q	-	EVR Data Fixed	21
11	07	MT-f_0	-	EVR Data Fixed	7A (3A)
12	11	White Clip (Hi-8)	-	EVR Data Fixed	55
13	0A	White Clip (Normal)	-	EVR Data Fixed	84
14	0E	REC C	-	EVR Data Fixed	E5

Note 2 : Before adjustment, insert the TP BOARD into the CTP01.

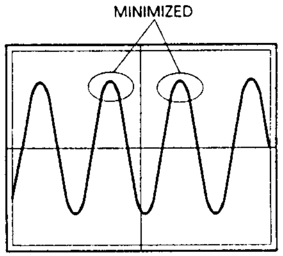


5-3-6 Audio Section

Note : See page 5-30 for the location of test points and adjustments.

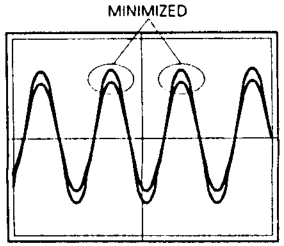
1. Audio BPF

1) PB, color bar signal.
2) Pin 49 of IC701 and EVR.
3) Confirm the "00 : AUDIO BPF" mode by pressing the "Z/MEMO (MODE CHANGE)" button of unit.
4) Connect an oscilloscope to pin 49 of IC701.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button on remote control so that the output signal is minimized.
6) Be sure to press the "DISPLAY (CONFIRM)" button on unit or remote control to memorize setting.



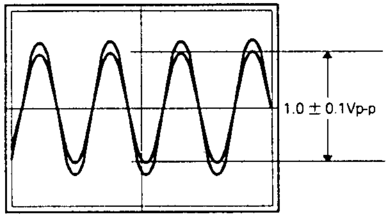
3. Audio 1.7MHz Deviation (Stereo Only)

1) PB, color bar signal.
2) Pin 49 of IC701 and EVR.
3) Confirm the "0C : AUDIO 1.7MHz" mode by pressing the "Z/MEMO (MODE CHANGE)" button of unit.
4) Connect an oscilloscope to pin 49 of IC701.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button so that the output signal is minimized.
6) Be sure to press the "DISPLAY (CONFIRM)" button on unit or remote control to memorize setting.



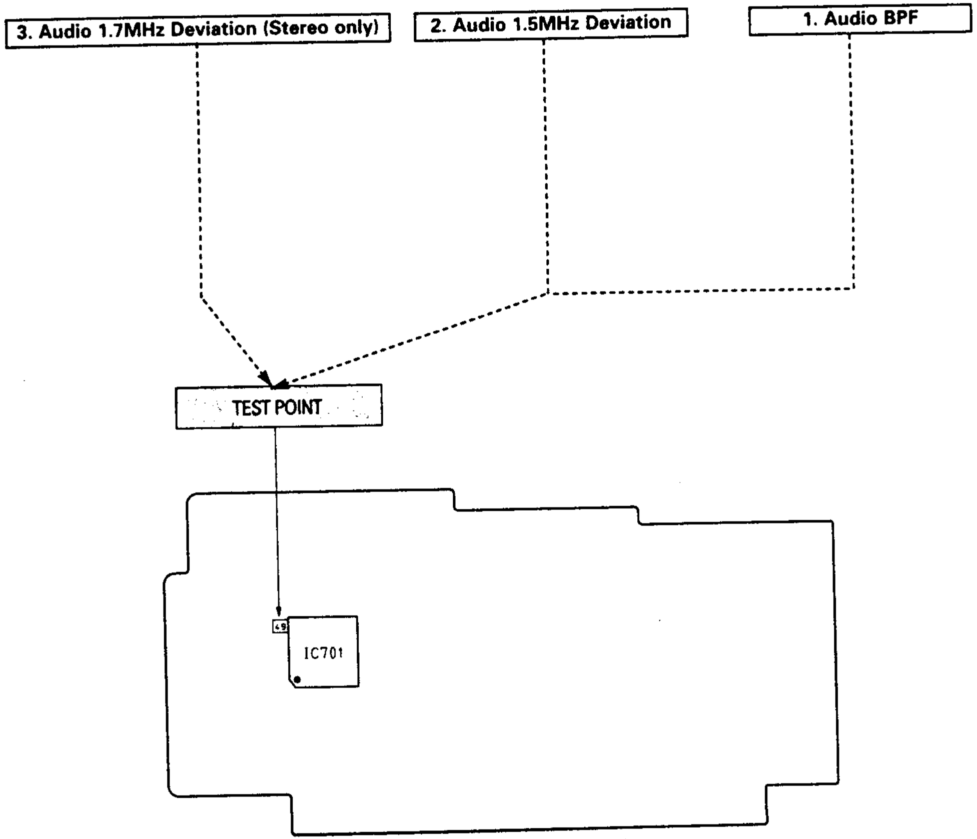
2. Audio 1.5MHz Deviation

1) PB, color bar signal.
2) Pin 49 of IC701 and EVR.
3) Confirm the "0B : AUDIO 1.5MHz" mode by pressing the "Z/MEMO (MODE CHANGE)" button of unit.
4) Connect an oscilloscope to pin 49 of IC701.
5) Press the "WIDE (DATA DOWN)/TELE (DATA UP)" button so that the output signal is 1.0 ± 0.1Vp-p.
6) Be sure to press the "DISPLAY (CONFIRM)" button on unit or remote control to memorize setting.



◆ Test point and adjustment point

NO	ADDRESS	Adjustment name	Test point	Adjustment point	Spec.
1	00	Audio BPF	Pin 49 of IC701	EVR	-
2	0B	Audio 1.5MHz Deviation	Pin 49 of IC701	EVR	1.0 ± 0.1Vp-p
3	0C	Audio 1.7MHz Deviation	Pin 49 of IC701	EVR	-


3. Audio 1.7MHz Deviation (Stereo only)
2. Audio 1.5MHz Deviation
1. Audio BPF
TEST POINT
49
IC701

AUDIO PCB (Component side)

MEMO

6. Exploded View and Parts List

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6-2 LCD 4 inch Cabinet Assembly-1 (VP-L95) ------- 6-4

6-3 LCD 3 inch Cabinet Assembly-2 (VP-L90) ------- 6-6

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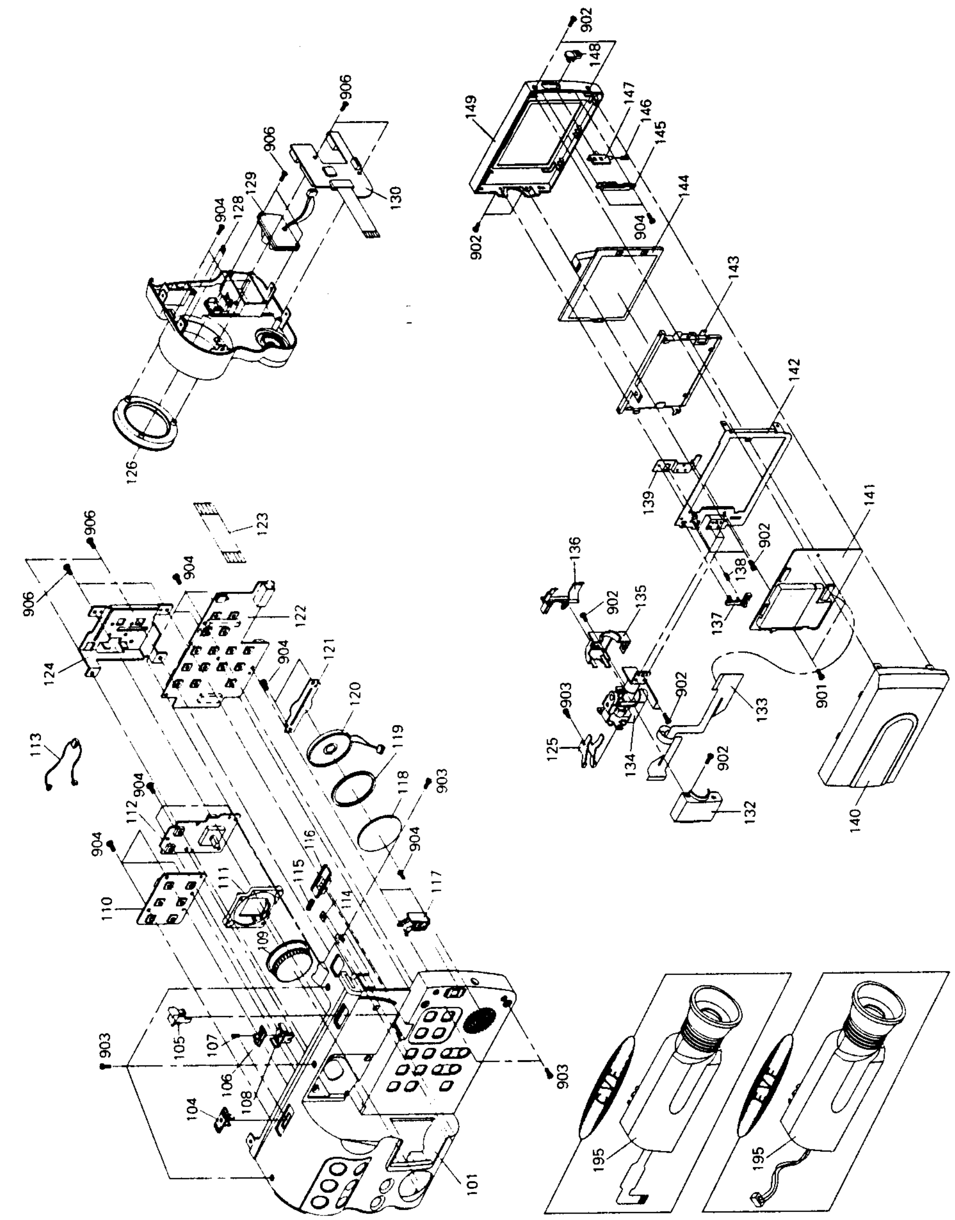
6-6 Mechanical Parts (2) ---------------------- 6-12

6-7 Mechanical Parts (3) ---------------------- 6-14

6-8 EVF (VP-L90) ---------------------------- 6-16

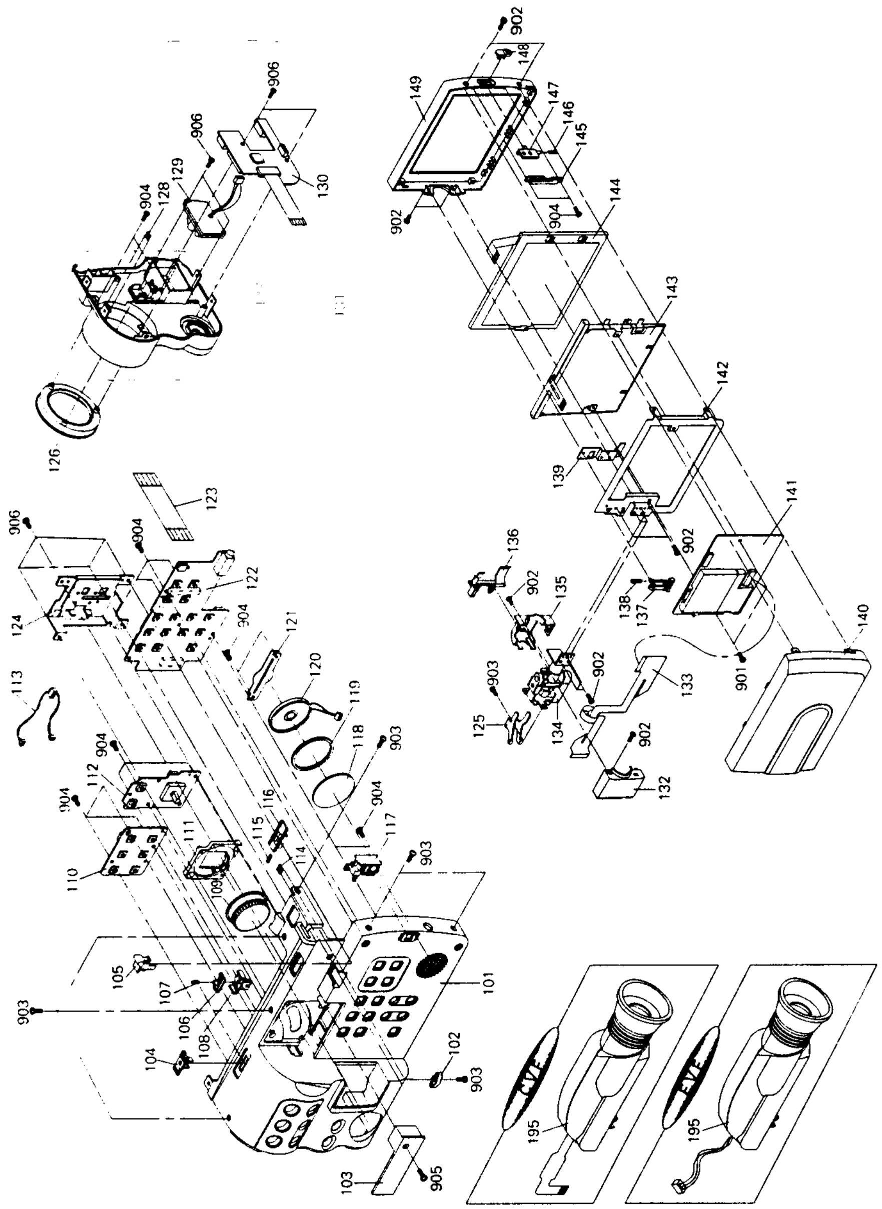
6-9 EVF (VP-L95) ---------------------------- 6-18

6-1 LCD 3 inch Cabinet Assembly-1 (VP-L90)



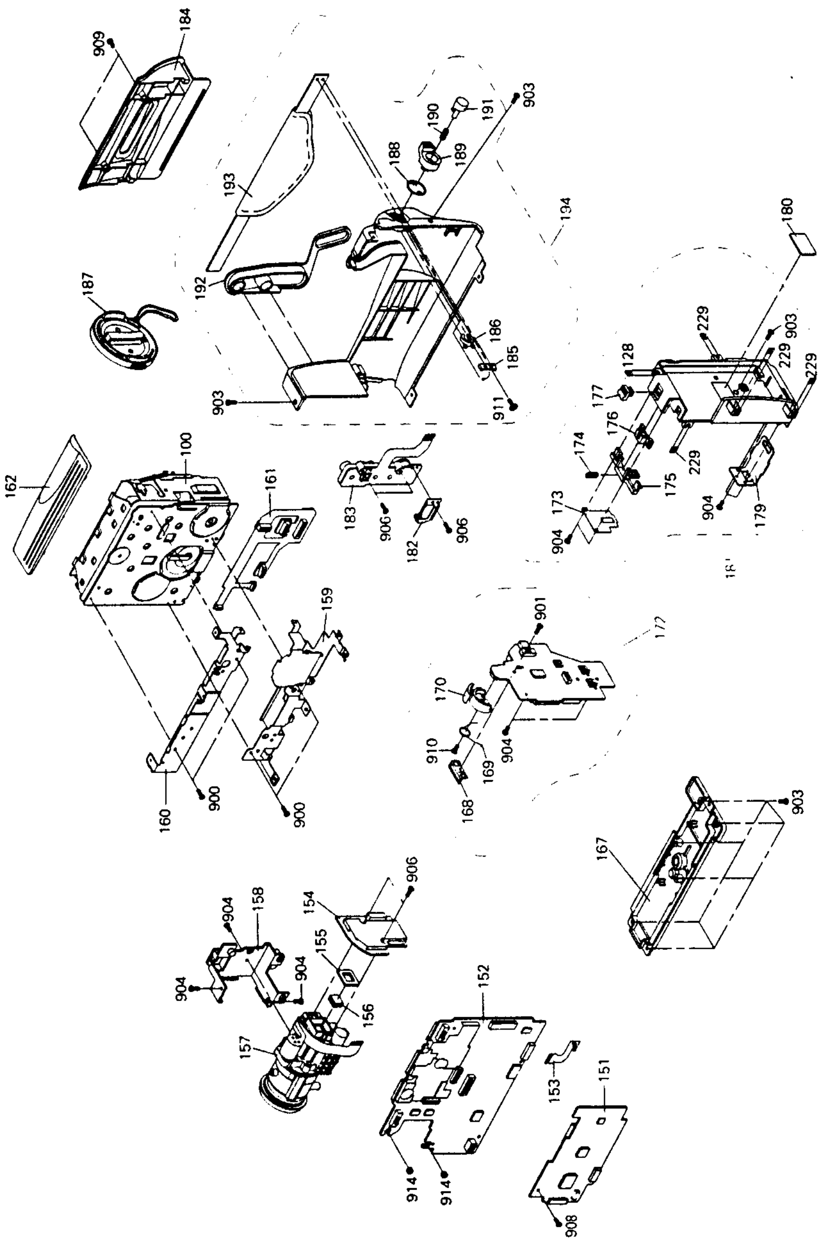
Loc. No	Part No	Description and Specification	Remark
101	AD98-12016A	ASSY-CASE LEFT A;VP-L90,-	
104	AD64-10812A	KNOB-POWER;-,ABS,-,-,-,SV-S99	
105	AD64-10813A	KNOB-EJECT;-,ABS,-,-,-,SV-S99	
106	AC61-42079A	STOPPER-POWER;ABS94HB,T1.0,-,RED,SV-H66,-	
107	66674-641-610	SPRING-KNOB POWER;SUS304 WPB	
108	AD61-21020A	HOLDER-POWER;-,-,-,BLK,-,SV-S99	
109	AD64-10814C	KNOB-ROTARY;-,ABS94,HB,D/GRAY,-,SCL90	
110	AD90-10808H	ASSY-FUN VCR BOARD;S8C-NTSC,SV-SPJ(FUN VCR)	
111	AD61-21021A	HOLDER-ROTARY;-,-,-,BLK,-,SV-S99	
112	AD90-10808G	ASSY-FUN A.E BOARD;S8C-NTSC,SV-SPJ(FUN A.E)	
113	AD39-20825N	LEAD CONNECTOR-ASSY;-,51021-05,51021-02,5P,150MM	
114	AC61-20223A	HOLDER-LOCK;SECC,T1.0,NOT,-,-,-	
115	AC61-60068A	SPRING-BUTTON;CS,STS304 WPB,P0.2,D4,L7,-,-	
116	AD61-21040A	HOLDER-EJECT;-,POM,-,BLK,-,SV-S99	
117	AD98-12016G	ASSY-UNIT LCD OFF;SV-S99,-	
118	AC62-12009A	INSULATION-SPEAKER;HIMERON,-,T0.3,W30,L30,-,SV-V	
119	AD73-10029A	RUBBER-SPEAKER;SILICONE,-,SV-S99,-	
120	AD59-90400A	SPEAKER-SYSTEM;28G13BSA,SCL90,SEA	
121	AD61-10999A	BRACKET-SPEAKER;-,SECC,SV-S99	
122	AD90-10816E	ASSY-FUN MEN BOARD;VP-L90,S8C-PAL	
123	AD41-20301W	FPC-FUN-MAIN;POLYMIDE,T0.35,40P,SV-S99	
124	AD61-12024A	BRACKET-HINGE;-,SUS,SCL90	
125	AD61-12013A	BRACKET-GUIDE HINGE;-,SUS,SV-S99	
126	AD98-12016H	ASSY-LENS HOOD;SV-S99,-	
127	AD98-12023L	ASSY-CASE FRONT;VP-L90/SEG,-	
128	AC61-20223A	HOLDER-LOCK;SECC,T1.0,NAT,-,-,-	
129	AD98-11221L	ASSY-MIC;SV-S99,-	
130	AD90-10816C	ASSY-MIC BOARD;VP-L90,S8C-PAL	
131	AD59-10460A	UNIT-CASE FRONT;VP-L95	
132	AD64-30903B	CASE-HINGE TOP;-,ABS,-,BLACK,-,SCL90/SEG,-,-	
133	AD41-20301Z	FPC-LCD;POLYWIDE,T0.25,18P,SV-S99	
134	AD98-12003N	ASSY-HINGE;SV-S99,-	
135	AD64-30881C	CASE-HINGE BOTTOM;-,ABS94HB,-,-,-,D/GRAY,-,VP-L9	
136	AD63-30537A	COVER-BRKT HINGE;-,ABS94HB,-,BLACK,-,SV-S99,-,-	
137	AD64-10816A	KNOB-LCD MIRROR;-,ABS,-,-,-,SV-S99	
138	AD61-60578A	SPRING-MIRROR;-,-,SUS304,-,D0.25,-,SV-S99	
139	AD61-12035A	BRACKET-SUPP HINGE;-,SUS T1.0,SV-S99	
140	AD64-30901C	CASE-LCD TOP;-,ABS94,VO,-,-,L/GRAY,-,VP-L90	
141	AD90-10815R	ASSY-LCD BOARD;VP-L90,PAL,3	
142	AD61-12022A	BRACKET-LCD;-,SUS,SCL90	
143	AD90-30205Z	ASSY-BL;SV-S90,3	
144	AD07-10032J	LCD-PANNEL;DP,COD30T3008T,SV-S99,3	
145	AD61-50687A	GUIDE-LCD OPEN;-,ABS,-,T1.5,BLK,-,SV-S99	
146	AD61-60569A	SPRING-LCD LOCK;-,-,SUS304,-,D0.3,-,SV-S99	
147	AD61-30183A	LOCKER-LCD OPEN;-,POM,-,BLK,-,SV-S99	
148	AD64-10815A	KNOB-LCD OPEN;-,ABS,-,-,-,SV-S99	
149	AD64-30902B	CASE-LCD BOTTOM;-,ABS94V0,-,BLACK,-,SCL90/SEG,	
195	AD90-10817Q	ASSY-EVF;VP-L90,PAL	
901	AC60-10024A	SCREW-MACHINE;BH,+,M2,X3,FZW,FE,-,-,-	
902	AC60-10019A	SCREW-MACHINE;BH,+,M2X4,FZB,FE,UP,-,-	
903	AC60-10020A	SCREW-MACHINE;BH,+,M2,X5,FZB,FE,UP,-,-	
904	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	
905	AC60-10054A	SCREW-TAPPING;BH,+,-,M2,X6,FZB	
906	AC60-10073A	SCREW-TAPTITE;BH,+,-,M2,X6,ZP4,FE	

6-2 LCD 4 inch Cabinet Assembly-1 (VP-L95)



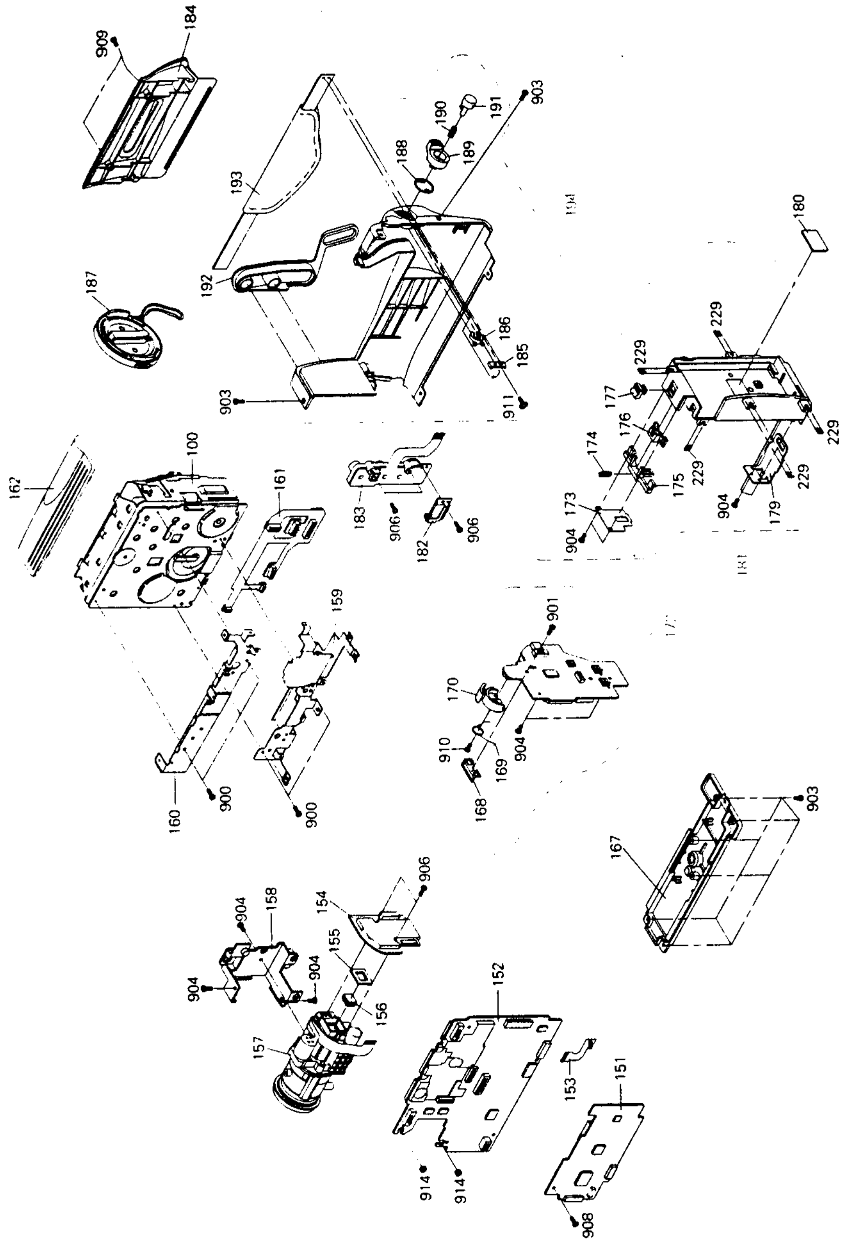
Loc. No	Part No	Description and Specification	Remark
101	AD98-12023PA	ASSY-CASE LEFT A;VP-L95,-	
102	AD64-82002A	LEG-4INCH;-,ABS,-,T1.5,BLK,-,SV-S99	
103	AD63-32004B	COVER-CASE L;-,ABS94HB,-,BLACK,-,SV-S99/DOM	
104	AD64-10812A	KNOB-POWER;-,ABS,-,-,-,SV-S99	
105	AD64-10813A	KNOB-EJECT;-,ABS,-,-,-,SV-S99	
106	AC61-42079A	STOPPER-POWER;ABS94HB,T1.0,-,RED,SV-H66,-	
107	66674-641-610	SPRING-KNOB POWER;SUS304 WPB	
108	AD61-21020A	HOLDER-POWER;-,-,-,BLK,-,SV-S99	
109	AD64-10814B	KNOB-ROTARY;-,ABS,-,-,-,SV-S99/DOM	
110	AD90-10808H	ASSY-FUN VCR BOARD;S8C-NTSC,SV-SPJ(FUN VCR)	
111	AD61-21021A	HOLDER-ROTARY;-,-,-,BLK,-,SV-S99	
112	AD90-10808G	ASSY-FUN A.E BOARD;S8C-NTSC,SV-SPJ(FUN A.E)	
113	AD39-20825N	LEAD CONNECTOR-ASSY;-,51021-05,51021-02,5P,150MM	
114	AC61-20223A	HOLDER-LOCK;SECC,T1.0,NAT,-,-,-	
115	AC61-60068A	SPRING-BUTTON;CS,STS304 WPB,P0.2,D4,L7,-,-	
116	AD61-21040A	HOLDER-EJECT;-,POM,-,BLK,-,SV-S99	
117	AD98-12016G	ASSY-UNIT LCD OFF;SV-S99,-	
118	AC62-12009A	INSULATION-SPEAKER;HIMERON,-,T0.3,W30,L30,-,SV-V	
119	AD73-10029A	RUBBER-SPEAKER;SILICONE,-,SV-S99,-	
120	AD59-90400A	SPEAKER-SYSTEM;28G13BSA,SCL90,SEA	
121	AD61-10999A	BRACKET-SPEAKER;-,SECC,SV-S99	
122	AD90-10808F	ASSY-FUN MENU BOARD;S8C-NTSC,SV-SPJ(FUN MENU)	
123	AD41-20301W	FPC-FUN-MAIN;POLYMIDE,T0.35,40P,SV-S99	
124	AD61-12011A	BRACKET-HINGE;-,SECC,SV-S99	
125	AD61-12013A	BRACKET-GUIDE HINGE;-,SUS,SV-S99	
126	AD98-12016H	ASSY-LENS HOOD;SV-S99,-	
127	AD98-12023E	ASSY-CASE FRONT;VP-L95/BASIC,-	
128	AC61-20223A	HOLDER-LOCK;SECC,T1.0,NAT,-,-,-	
129	AD98-11221L	ASSY-MIC;SV-S99,-	
130	AD90-10807S	ASSY-MIC BOARD;S8C-NTSC,SV-SPJ(MIC)	
131	AD59-10460A	UNIT-CASE FRONT;VP-L95/SEG,-	
132	AD64-30903B	CASE-HINGE TOP;-,ABS,-,BLACK,-,SCL90/SEG,-,-	
133	AD41-20301Z	FPC-LCD;POLYWIDE,T0.25,18P,SV-S99	
134	AD98-12003N	ASSY-HINGE;SV-S99,-	
135	AD64-30881C	CASE-HINGE BOTTOM;-,ABS94HB,-,-,-,D/GRAY,-,VP-L9	
136	AD63-30537A	COVER-BRKT HINGE;-,ABS94HB,-,BLACK,-,SV-S99,-,-	
137	AD64-10816A	KNOB-LCD MIRROR;-,ABS,-,-,-,SV-S99	
138	AD61-60578A	SPRING-MIRROR;-,-,SUS304,-,D0.25,-,SV-S99	
139	AD61-12035A	BRACKET-SUPP HINGE;-,SUS T1.0,SV-S99	
140	AD64-30901F	CASE-LCD TOP;-,ABS94,VO,-,-,L/GRAY,-,VP-L95	
141	AD90-10823G	ASSY-LCD BOARD;VP-L95,PAL,4	
142	AD61-12022A	BRACKET-LCD;-,SUS,SCL90	
143	AD90-10806F	ASSY-BL;SV-S86,4INCH NTSC	
144	AD07-10032H	LCD-PANNEL;DP,COD40T4019TC,SV-S99,4	
145	AD61-50687A	GUIDE-LCD OPEN;-,ABS,-,T1.5,BLK,-,SV-S99	
146	AD61-60569A	SPRING-LCD LOCK;-,-,SUS304,-,D0.3,-,SV-S99	
147	AD61-30183A	LOCKER-LCD OPEN;-,POM,-,BLK,-,SV-S99	
148	AD64-10815A	KNOB-LCD OPEN;-,ABS,-,-,-,SV-S99	
149	AD64-30902B	CASE-LCD BOTTOM;-,ABS94V0,-,BLACK,-,SCL90/SEG,	
195	AD90-12010A	ASSY-EVF;VP-L95,PAL	
901	AC60-10024A	SCREW-MACHINE;BH,+,M2,X3,FZW,FE,-,-,-	
902	AC60-10019A	SCREW-MACHINE;BH,+,M2X4,FZB,FE,UP,-,-	
903	AC60-10020A	SCREW-MACHINE;BH,+,M2,X5,FZB,FE,UP,-,-	
904	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	
905	AC60-10054A	SCREW-TAPPING;BH,+,-,M2,X6,FZB	
906	AC60-10073A	SCREW-TAPTITE;BH,+,-,M2,X6,ZP4,FE	

6-3 LCD 3 inch Cabinet Assembly-2 (VP-L90)



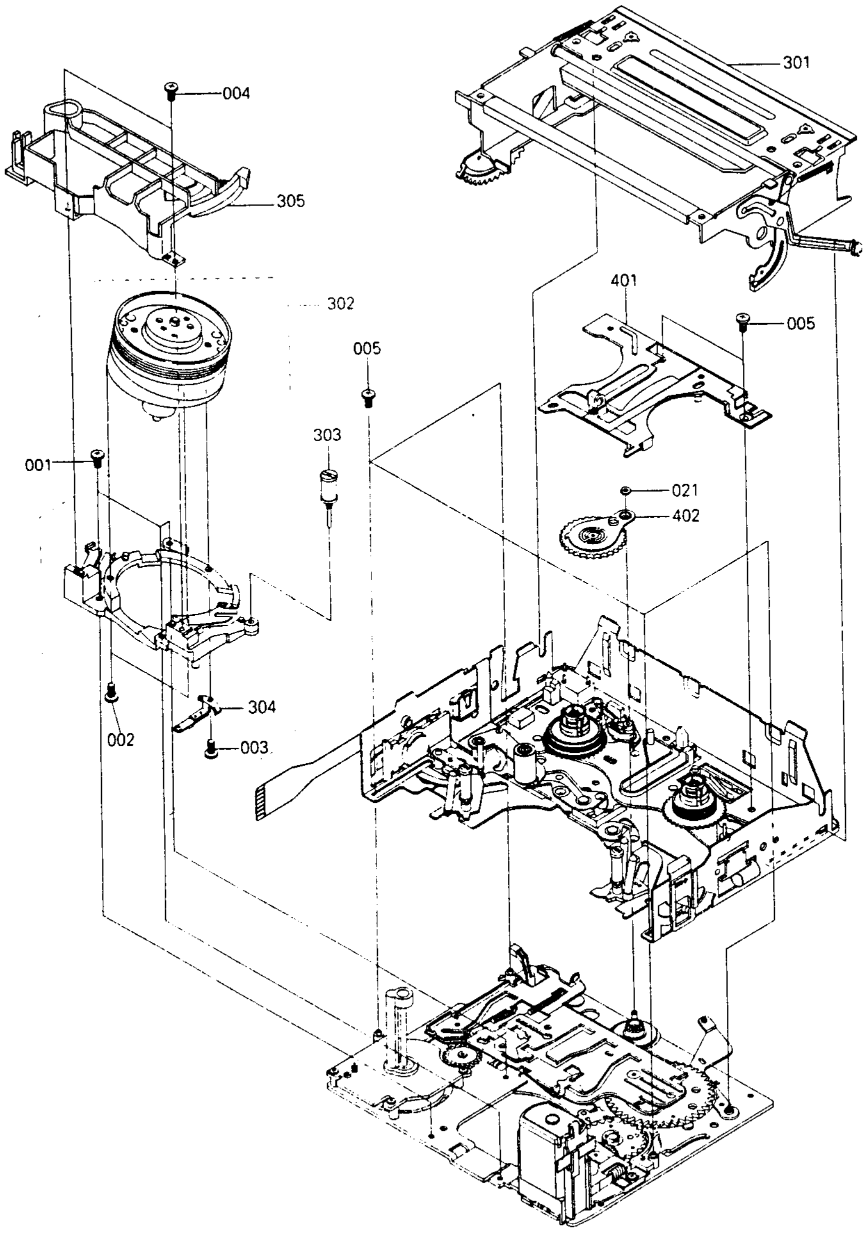
Loc. No	Part No	Description and Specification	Remark
100	AD96-10471L	ASSY-8MM DECK;DE-6APN,-	
151	AD90-10816A	ASSY-AUDIO BOARD;VP-L90,S8C-PAL	
152	AD90-10816B	ASSY-VCR BOARD;VP-L90,S8C-PAL	
153	AD90-10808D	ASSY-FPC PRE-AMP;VP-A57/SEG,VCR-MAIN	
154	AD90-10816U	ASSY-CCD BOARD;VP-L90,PAL	
155	AC63-62007A	SPACER-CCD;SILICON,-,BLK,-,VP-K70,-	
156	AC29-92002D	FILTER-OLP;SV-3C01MM,KSS,-,-	
157	AD90-10809R	ASSY-LENS ZOOM;SV-A57,SEC 16X ZOOM	
158	AD59-10443A	UNIT-FRAME LENS;SV-S99/DOM,-	
159	AD61-12015A	BRACKET-DECK BOTTOM;-,SUS,SV-S99	
160	AD61-12014A	BRACKET-DECK TOP;-,SUS,SV-S99	
161	AD90-10808C	ASSY-FPC DECK;VP-A57/SEG,DECK	
162	AD98-12012D	ASSY-CASE-TOP;SCL90,-	
167	AD64-30898B	CASE-BOTTOM;-,ABS,-,BLACK,-,SCL90,-,-	
168	AD61-22014A	HOLDER-ZOOM;-,ABS94HB,T0.8,-,-,-	
169	AD61-60568A	SPRING-ZOOM;-,-,SUS304,-,D0.55,-,SV-S99	
170	AD64-10806A	KNOB-ZOOM;-,ABS,-,-,-,SV-S99	
172	AD90-10823P	ASSY-DC/DC BOARD;S8C-NTSC,SV-SPJ	
173	AD61-12021A	BRACKET-BATT.EJECT;-,SUS,SV-S99	
174	AD61-60540A	SPRING-HOLDER;-,-,SUS 304,-,-,-,CS97	
175	AD61-30182A	LOCKER-BATTERY EJECT;-,POM,-,BLK,-,SV-S99	
176	AD61-21014A	HOLDER-BATTERY EJECT;-,ABS94HB,-,BLK,-,SV-S99	
177	AD64-10802A	KNOB-BATTERY;-,ABS,-,-,-,SV-S99	
179	AD61-12008B	BRACKET-SHOULDER;-,SUS,-,T1,-,-,SV-S99	
180	AD64-60822B	INLAY-BACK;-,PVC,T0.5,-,BLK,-,SV-S99	
181	AD98-11225A	ASSY-BATTERY;SCL90,-	
182	AD61-12010A	BRACKET-AV JACK;-,SECC,SV-S99	
183	AD90-10814E	ASSY-A/V JACK;SV-S99,STEREO(12P)	
184	AD98-11229A	ASSY-COVER HOUSING;SCL90,-	
185	AC61-20251A	HOLDER-GRIP;PBT,-,BLK,-,VP-K70,-	
186	AD61-40379A	STOPPER-START/STOP;-,ABS,-,-,-,SV-S99	
187	AD59-10328A	UNIT-CAP HOOD;VP-K80,-	
188	AC61-60068A	SPRING-BUTTON;CS,STS304 WPB,P0.2,D4,L7,-,-	
189	AD64-10804A	KNOB-START/STOP;-,ABS,-,-,-,SV-S99	
190	AD61-60533A	SPRING-REC STOP;-,-,STS,T0.2,-,-,VP-A57	
191	AD64-10805A	BUTTON-START/STOP;-,ABS94HB,-,RED,-,SV-S99	
192	AD63-30536A	COVER-AV JACK;-,LDPE,-,1.5,BLK,-,SV-S99,-	
193	AC63-10007A	GRIP-BELT ASSY;LEATHER,BLK,T1.5,-,SV-H66,-,-	
194	AD98-11226A	ASSY-RIGHT;VP-L90,-	
229	AC61-32047A	PLATE-NUT;SECC,T0.8,-,-,SV-V40	
900	AC60-10017A	SCREW-MACHINE;BH,+,M1.7,X3.5,FEFZY,SWCH1018	
901	AC60-10024A	SCREW-MACHINE;BH,+,M2,X3,FZW,FE,-,-,-	
903	AC60-10020A	SCREW-MACHINE;BH,+,M2,X5,FZB,FE,UP,-,-	
904	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	
906	AC60-10073A	SCREW-TAPTITE;BH,+,-,M2,X6,ZP4,FE	
908	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	
909	AC60-12128A	SCREW-TAP TITE BH;-,BH,4 1.7,L4,-,FE,BLK	
910	AD60-10510A	SCREW-MACHINE;-,PLAN,+,-,M1.4X5,5,BLK,FE-ZN,	
911	AD60-10509A	SCREW-TAP TITE;-,PWH,+,-,M2X5,5,-	
914	AC64-10176A	KNOB-RUBBER-LENS;NR,-,BLK,-,VP-K70,-	

6-4 LCD 4 inch Cabinet Assembly-2 (VP-L95)



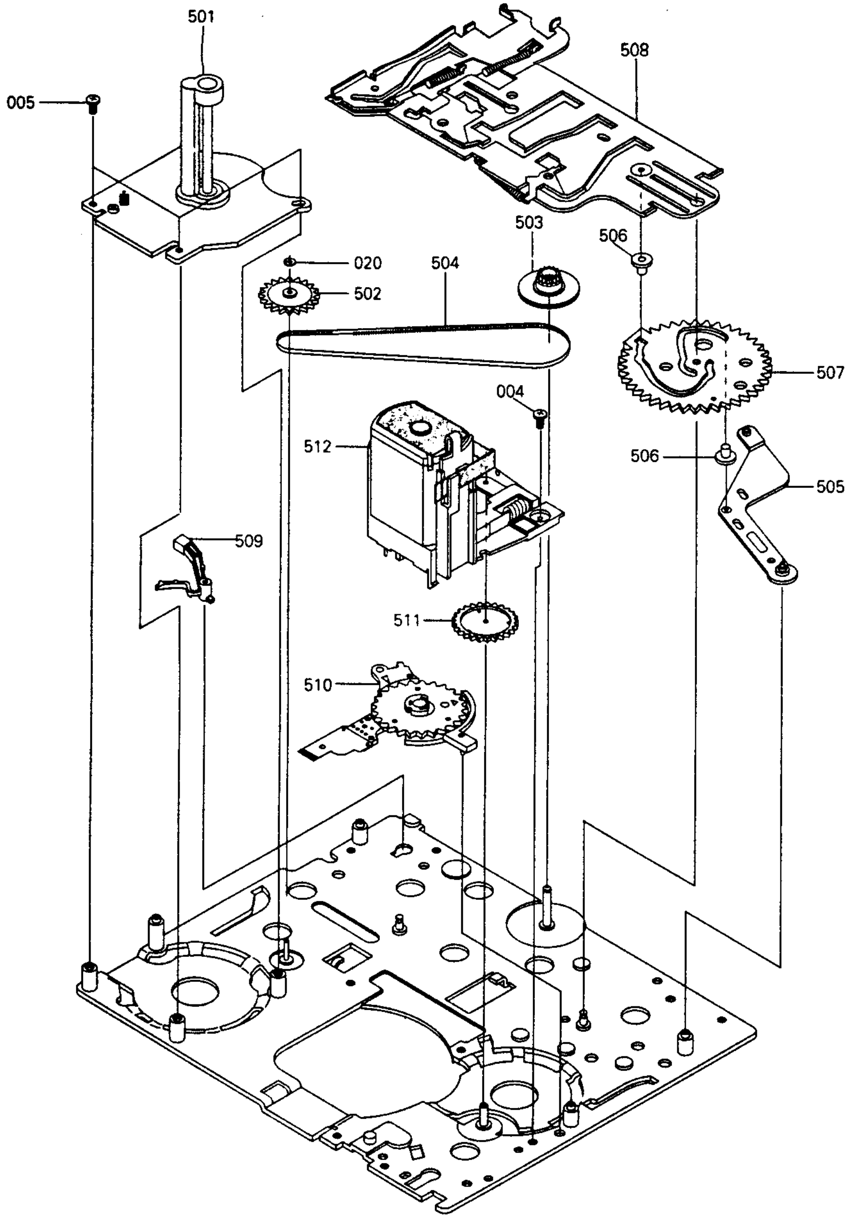
Loc. No	Part No	Description and Specification	Remark
100	AD96-10470S	ASSY-8MM DECK;DE-6APH,-	
151	AD90-10820V	ASSY-AUDIO BOARD;VP-L95/BASIC,PAL,HI8,ST,EIS	
152	AD90-10820J	ASSY-MAIN BOARD;VP-L95/BASIC,PAL,HI8,4,BW,X4,E	
153	AD90-10808D	ASSY-FPC PRE-AMP;VP-A57/SEG,VCR-MAIN	
154	AD90-10816X	ASSY-CCD BOARD;VP-L95,PAL	
155	AD63-62002A	SPACER-CCD;-,SILICONE,T1,BLK,-,VP-A57	
156	AD29-90200E	FILTER-OPTICAL;DP,SV-3C20MM,LP,3.68MHZ,T	
157	AD90-10809R	ASSY-LENS ZOOM;SV-A57,SEC 16X ZOOM	
158	AD59-10443A	UNIT-FRAME LENS;SV-S99/DOM,-	
159	AD61-12015A	BRACKET-DECK BOTTOM;-,SUS,SV-S99	
160	AD61-12014A	BRACKET-DECK TOP;-,SUS,SV-S99	
161	AD90-10808C	ASSY-FPC DECK;VP-A57/SEG,DECK	
162	AD98-12012D	ASSY-CASE-TOP;SCL90,-	
167	AD64-30898B	CASE-BOTTOM;-,ABS,-,BLACK,-,SCL90,-,-	
168	AD61-22014A	HOLDER-ZOOM;-,ABS94HB,T0.8,-,-,-	
169	AD61-60568A	SPRING-ZOOM;-,-,SUS304,-,D0.55,-,SV-S99	
170	AD64-10806A	KNOB-ZOOM;-,ABS,-,-,-,SV-S99	
172	AD90-10823P	ASSY-DC/DC BOARD;S8C-NTSC,SV-SPJ	
173	AD61-12021A	BRACKET-BATT.EJECT;-,SUS,SV-S99	
174	AD61-60540A	SPRING-HOLDER;-,-,SUS 304,-,-,-,CS97	
175	AD61-30182A	LOCKER-BATTERY EJECT;-,POM,-,BLK,-,SV-S99	
176	AD61-21014A	HOLDER-BATTERY EJECT;-,ABS94HB,-,BLK,-,SV-S99	
177	AD64-10802A	KNOB-BATTERY;-,ABS,-,-,-,SV-S99	
179	AD61-12008B	BRACKET-SHOULDER;-,SUS,-,T1,-,-,SV-S99	
180	AD64-60822B	INLAY-BACK;-,PVC,T0.5,-,BLK,-,SV-S99	
181	AD98-11225A	ASSY-BATTERY;SCL90,-	
182	AD61-12010A	BRACKET-AV JACK;-,SECC,SV-S99	
183	AD90-10807X	ASSY-A/V JACK BOARD;S8C-NTSC,SV-SPJ	
184	AD98-11239H	ASSY-COVER HOUSING;VP-L95	
185	AC61-20251A	HOLDER-GRIP;PBT,-,BLK,-,VP-K70,-	
186	AD61-40379A	STOPPER-START/STOP;-,ABS,-,-,-,SV-S99	
187	AD59-10328A	UNIT-CAP HOOD;VP-K80,-	
188	AC61-60068A	SPRING-BUTTON;CS,STS304 WPB,P0.2,D4,L7,-,-	
189	AD64-10804A	KNOB-START/STOP;-,ABS,-,-,-,SV-S99	
190	AD61-60533A	SPRING-REC STOP;-,-,STS,T0.2,-,-,VP-A57	
191	AD64-10805A	BUTTON-START/STOP;-,ABS94HB,-,RED,-,SV-S99	
192	AD63-30536A	COVER-AV JACK;-,LDPE,-,1.5,BLK,-,SV-S99,-	
193	AC63-10007A	GRIP-BELT ASSY;LEATHER,BLK,T1.5,-,SV-H66,-,-	
194	AD98-11233G	ASSY-RIGHT;S2-PJ,EXPORT,HI8(SAMSUNG)	
229	AC61-32047A	PLATE-NUT;SECC,T0.8,-,-,SV-V40	
900	AC60-10017A	SCREW-MACHINE;BH,+,M1.7,X3.5,FEFZY,SWCH1018	
901	AC60-10024A	SCREW-MACHINE;BH,+,M2,X3,FZW,FE,-,-,-	
903	AC60-10020A	SCREW-MACHINE;BH,+,M2,X5,FZB,FE,UP,-,-	
904	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	
906	AC60-10073A	SCREW-TAPTITE;BH,+,-,M2,X6,ZP4,FE	
908	AC60-10055A	SCREW-TAPPING;BH,+,-,M2,X4,FZB	
909	AC60-12128A	SCREW-TAP TITE BH;-,BH,4 1.7,L4,-,FE,BLK	
910	AD60-10510A	SCREW-MACHINE;-,PLAN,+,-,M1.4X5,5,BLK,FE-ZN,	
911	AD60-10509A	SCREW-TAP TITE;-,PWH,+,-,M2X5,5,-	
914	AC64-10176A	KNOB-RUBBER-LENS;NR,-,BLK,-,VP-K70,-	

6-5 Mechanical Parts (1)



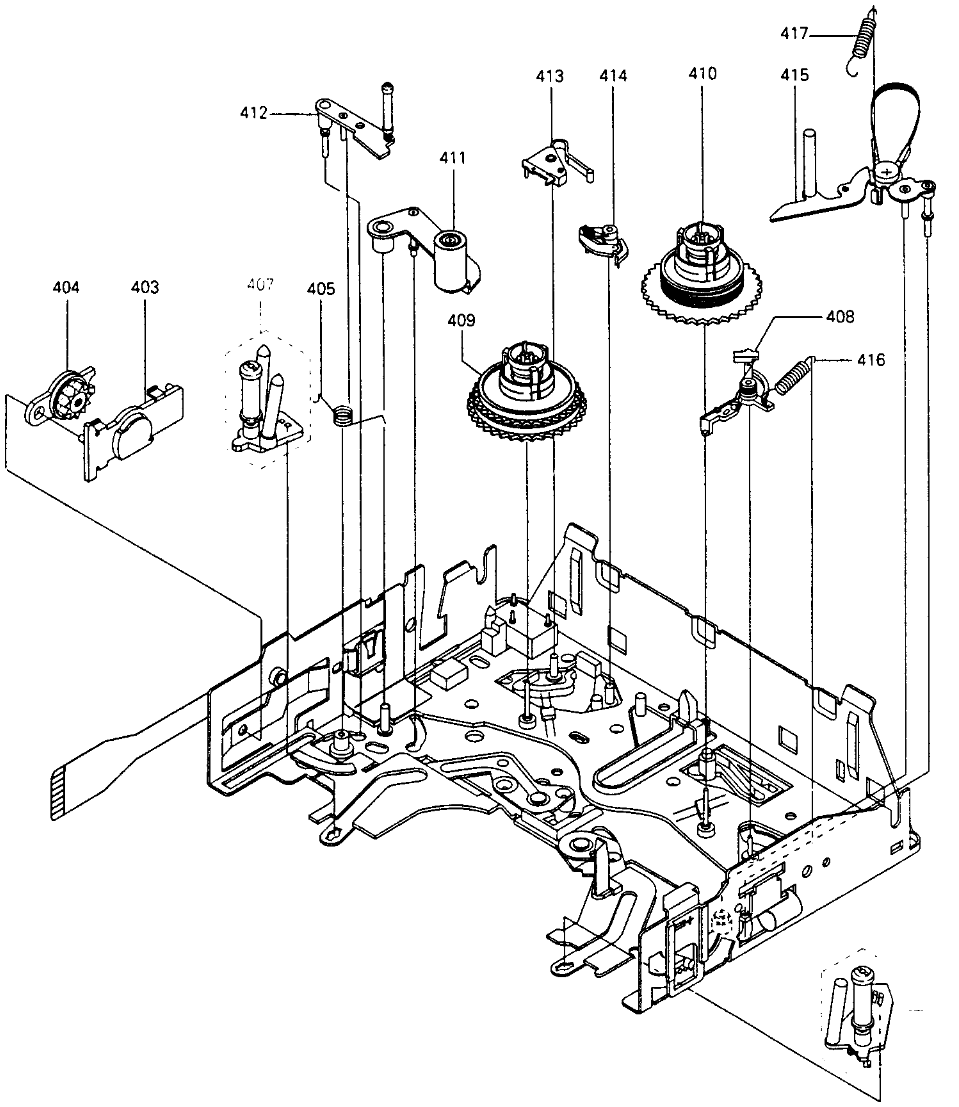
Loc. No	Part No	Description and Specification	Remark
001	AC60-12083A	SCREW-MACHINE;B,BH,-,M1.7,L5,FE,WHT,-,	
002	AC60-10500E	SCREW-MACHINE;BWSH,+UP,M2,L5,PCNYLOK,SWR	
003	AC60-10500D	SCREW-MACHINE;BWSH,+UP,M2,L5,PCNYLOK,SWR	
004	AC60-10017A	SCREW-MACHINE;BH,+,M1.7,X3.5,FEFZY,SWCH1018,	
005	AC60-12112A	SCREW-BH;-,BH,+,M1.4,L2,-	
021	AC60-30015A	WASHER-SLIT;ID 1.1,OD 2.6,T 0.4,POLYSLIDER	
301	AC61-82004A	HOUSING-ASSY;-,-,-,DE-6,-	
302	AD96-10471X	ASSY-DRUM;DE6H-PN-SS,	VP-L90 ONLY
	AD96-10471Z	ASSY-DRUM;DE6Z-PH-SS	VP-L95 ONLY
303	AD66-40153A	ROLLER-IMP ASS'Y;-,YF-10,OD7,-,DE-6	
304	AC61-72009A	CONTACT-EARTH BRUSH;SECC/PBSP/CR/C,-,-,-,-,DE-4,	
305	AC63-32091A	COVER-DRUM;DURACON(M90-44),-,-,-,-,-,DE-6	
401	AC63-30009A	COVER-REEL ASSY;ABS 95,HB,-,-,-,-,DE-6,-	
402	AC66-12035A	IDLER-ASSY;-,-,DE-6	

6-6 Mechanical Parts (2)



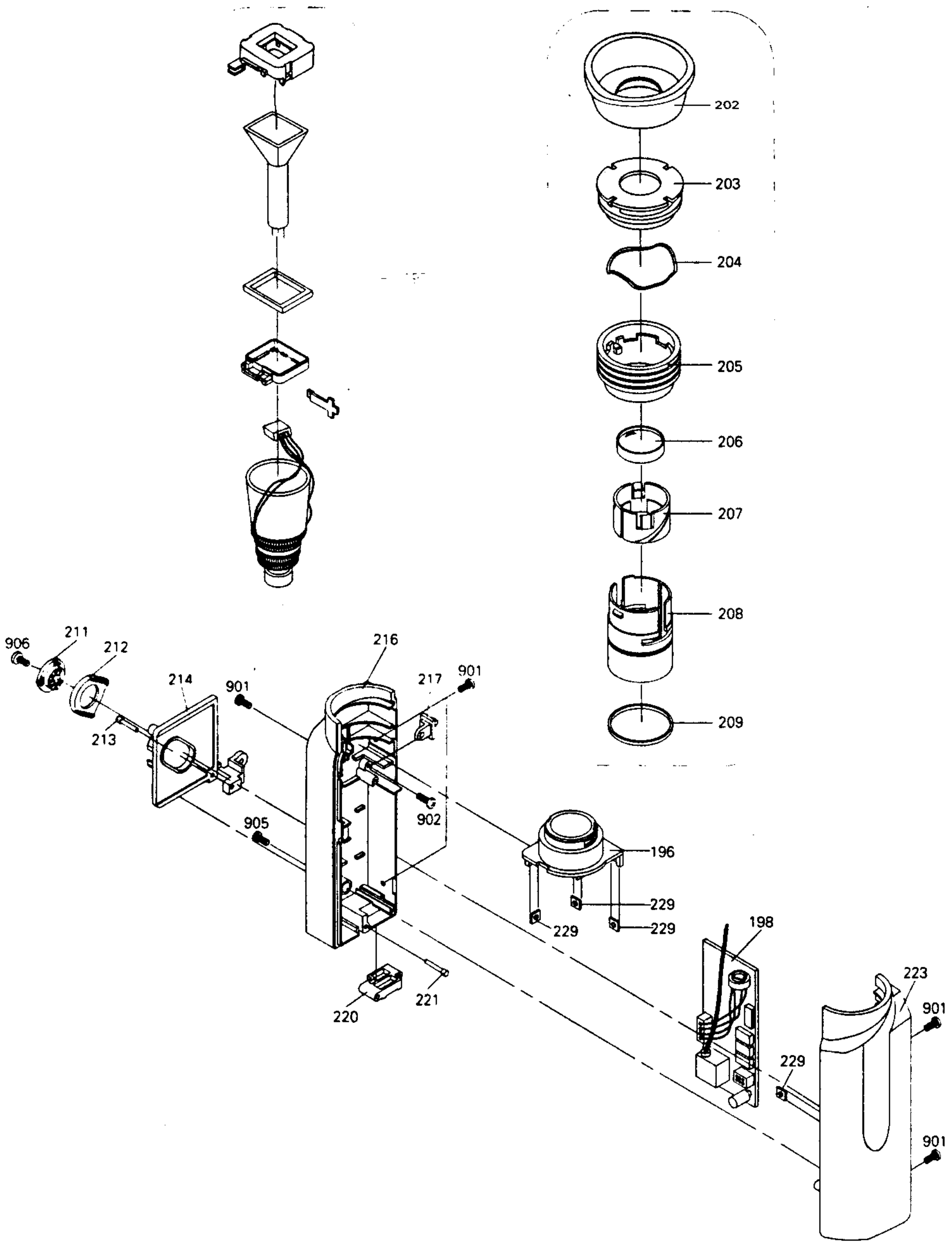
Loc. No	Part No	Description and Specification	Remark
004	AC60-10017A	SCREW-MACHINE;BH,+,M1.7,X3.5,FEFZY,SWCH1018,	
005	AC60-12112A	SCREW-BH;-,BH,+,M1.4,L2,-	
020	AC60-30017A	WASHER-SLIT;ID 1,OD 2.6,T 0.4,POLYSLIDER,-	
501	AD31-12002A	MOTOR-CAPSTAN;DMCCHL06B,-,-	
502	AC66-22123A	GEAR-CAPSTAN(ASSY);-,-,-,-,-,DE-6	
503	AC66-22124A	GEAR-PULLEY(ASSY);-,-,-,-,-,DE-6	
504	AC66-62001A	BELT-TIMMING;POLYURETHAN,L137 T0.4,-,-,-,-,	
505	AC66-32197A	LEVER-CAM;SUS430-CP,T0.6,-,-,DE-6,-	
506	AC66-42005A	ROLLER-CAM MAIN;SUS303,-,-,PI3.5X1.1	
507	AC66-22092A	GEAR-CAM MAIN;SUS304-CSP,M0.5,Z64,-,-,-	
508	AC66-82055A	SLIDER-MAIN(ASSY);-,-,-,-,DE-6	
509	AC66-32198A	LEVER-EJECT;DURANEX #3300,-,-,-,DE-6,-	
510	AC34-22001C	SWITCH-MODE ASSY;HMW0484-01WA,DE-6,-,-,-,-,-,-	
511	AC66-22126A	GEAR-LOADING;DURACON(99-44),M0.4,Z37 WO,-,-	
512	AC31-12001P	MOTOR-LOADING ASSY;DE-6,-,-	

6-7 Mechanical Parts (3)



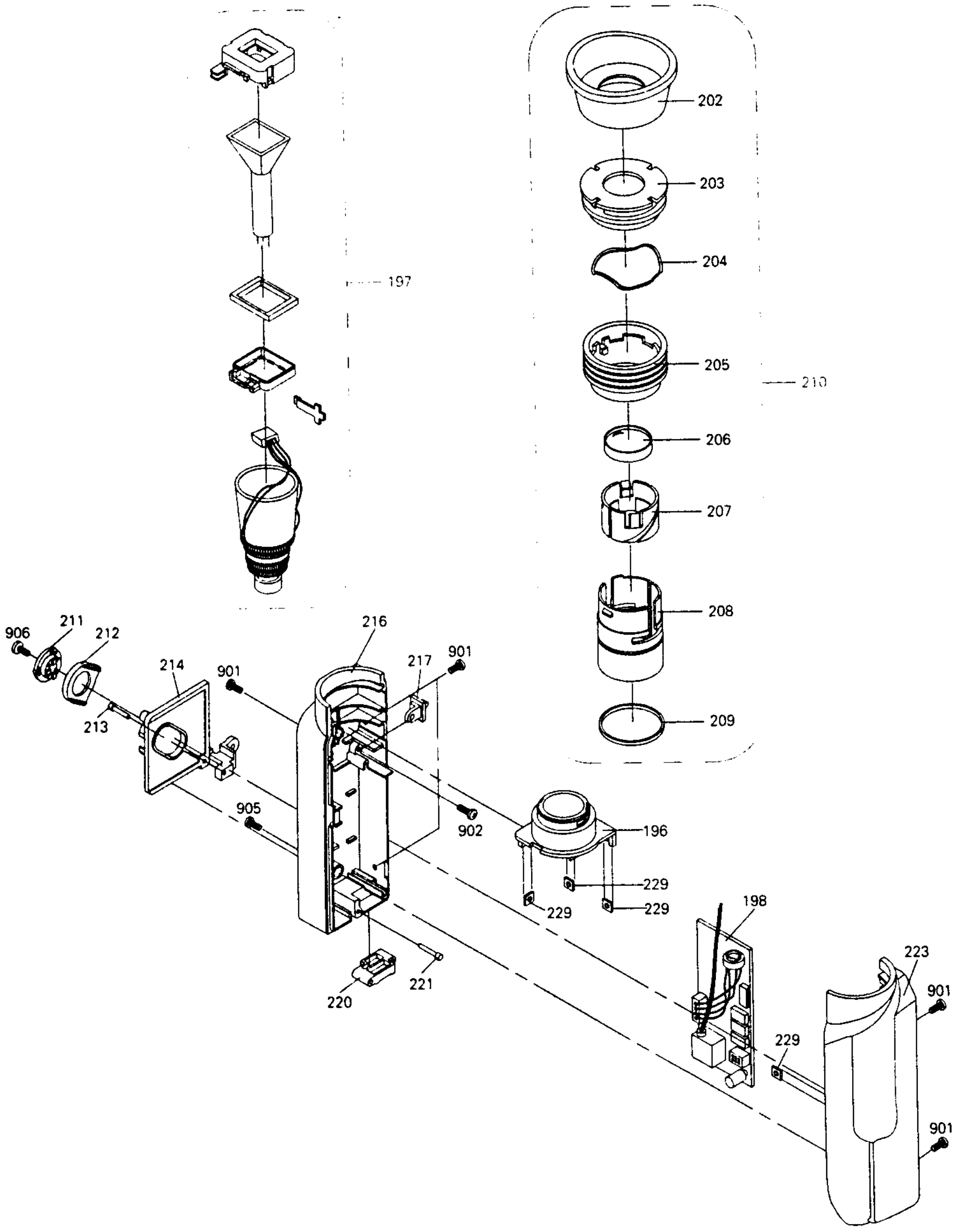
Loc. No	Part No	Description and Specification	Remark
403	63313-0198-00	COVER-DAMPER;DURACON(M90-44) NTR DE-6	
404	AC61-82002A	DAMPER-HOUSING;Y29TO-E,-,14G,-,-,DE-6,-	
405	62724-0278-00	SPRING-REVIEW ARM;PS SUS304-WPB PI0.3	
406	AC61-52014A	POLE-BASE S(ASSY);ZDC2/SUS303,-,-,-,-,DE-6,-	
407	AC61-52015A	POLE-BASE T(ASSY);ZDC2/SUS303,-,-,-,-,DE-6,-	
408	AC66-32221A	BRAKE-SUB S(ASSY);-,-,-,-,DE-6,-	
409	AC66-12042A	REEL-T(ASSY);-,-,-,DE-6	
410	AC66-12041A	REEL-S(ASSY);-,-,-,DE-6	
411	AC66-32217A	ARM-PINCH ROLLER(ASS;-,-,-,-,DE-6	
412	AC66-32213A	ARM-REVIEW ASSY;-,-,-,-,DE-6	
413	AC66-32223A	BRAKE-MAIN(T);DURACON(M904-44),-,-,-,-,-	
414	AC66-30120A	BRAKE-SOFT T (ASSY);-,-,-,-,DE-6,-	
415	AC66-30093A	ARM-TENSION (ASSY);SUS304-CSP POM FELT,-,-,-,DE-	
416	AC61-62022A	SPRING-SOFT BRAKE(S);-,SUS304,-,-,-,-,-	
417	AC61-62023A	SPRING-TENSION;-,SUS304-WPB,-,-,-,-,-	

6-8 EVF (VP-L90)



Loc. No	Part No	Description and Specification	Remark
196	AD61-40382A	SUPPORT-EVF;-,ABS94,HB,-,BLK,-,SV-S99	
197	AD90-10818H	ASSY-CRT;VP-L90,-	
198	AD90-10810R	ASSY-EVF BOARD;SCL90,NTSC	
202	AD73-10027A	RUBBER-EYE CUP;SILICONE,-,SV-S99,-	
203	AD61-21022A	HOLDER-EYE CUP;-,-,-,BLK,-,SV-S99	
204	AC61-60094A	SPRING-PLATE R/EVF;PS,STS301 3/4H,T0.4,D1.5,L26.	
205	AD60-40650A	RING-EVF;-,ID32.8,OD36,T1.6,-,ABS94HB	
206	66463-605-910	LENS EVF;PMMA CLR	
207	AC61-20179A	HOLDER-LENS;ABS 94,HB,BLK,-,VP-K70,-	
208	AD61-50688A	GUIDE-LENS;-,ABS,-,T1.5,BLK,-,SV-S99	
209	AD73-10030A	RUBBER-RING EVF;SILICONE,-,SV-S99,-	
210	AD98-11223F	ASSY-RING EVF;SV-S99,-	
211	AD61-70084A	RAIL-CASE EVF A;-,POM,-,-,BLK,-,SV-S99	
212	AD61-50711A	GUIDE-CASE EVF B;-,ABS,-,T1.5,BLK,-,SCL90	
213	AD60-40654A	PIN-CASE EVF A;-,-,PI1.5,-,SV-S99,STS304P	
214	AD61-21052A	HOLDER-CASE EVF B;-,ABS94HB,-,BLK,-,SCL90	
216	AD64-30900B	CASE-EVF RIGHT;-,ABS94V0,-,BLACK,-,SCL90/SEG,	
217	AD61-30192A	LOCKER-CASE-EVF A;-,POM,-,BLK,-,SV-S99	
218	AD65-30051A	CLAMP-EVF;-,POM,-,-,-,SV-S99	
220	AD66-80147A	LINK-CASE EVF B;-,ABS 94,HB,-,SCL90	
221	AD60-40654A	PIN-CASE EVF A;-,-,PI1.5,-,SV-S99,STS304P	
223	AD64-30899B	CASE-EVF LEFT;-,ABS94V0,-,BLACK,-,SCL90,-,-	
229	AC61-32047A	PLATE-NUT;SECC,T0.8,-,-,SV-V40	
901	AC60-10018A	SCREW-MACHINE;BH,+,M2,X3,FZB,FE,UP,-,-	
902	AC60-10019A	SCREW-MACHINE;BH,+,M2,X4,FZB,FE,UP,-,-	
905	AC60-10054A	SCREW-TAPPING;BH,+,-,M2,X6,FZB	
906	AC60-10073A	SCREW-TAPTITE;BH,+,-,M2,X6,ZP4,FE	

6-9 EVF (VP-L95)



Loc. No	Part No	Description and Specification	Remark
196	AD61-40382A	SUPPORT-EVF;-,ABS94,HB,-,BLK,-,SV-S99	
197	AD90-10818H	ASSY-CRT;VP-L90,-	
198	AD90-10810R	ASSY-EVF BOARD;SCL90,NTSC	
202	AD73-10027A	RUBBER-EYE CUP;SILICONE,-,SV-S99,-	
203	AD61-21022A	HOLDER-EYE CUP;-,-,-,BLK,-,SV-S99	
204	AC61-60094A	SPRING-PLATE R/EVF;PS,STS301 3/4H,T0.4,D1.5,L26.	
205	AD60-40650A	RING-EVF;-,ID32.8,OD36,T1.6,-,ABS94HB	
206	66463-605-910	LENS EVF;PMMA CLR	
207	AC61-20179A	HOLDER-LENS;ABS 94,HB,BLK,-,VP-K70,-	
208	AD61-50688A	GUIDE-LENS;-,ABS,-,T1.5,BLK,-,SV-S99	
209	AD73-10030A	RUBBER-RING EVF;SILICONE,-,SV-S99,-	
210	AD98-11223F	ASSY-RING EVF;SV-S99,-	
211	AD61-70084A	RAIL-CASE EVF A;-,POM,-,-,BLK,-,SV-S99	
212	AD61-50711A	GUIDE-CASE EVF B;-,ABS,-,T1.5,BLK,-,SCL90	
213	AD60-40654A	PIN-CASE EVF A;-,-,PI1.5,-,SV-S99,STS304P	
214	AD61-21052A	HOLDER-CASE EVF B;-,ABS94HB,-,BLK,-,SCL90	
216	AD64-30883C	CASE-EVF RIGHT;-,ABS94V0,-,BLACK,-,VP-L95	
217	AD61-30192A	LOCKER-CASE-EVF A;-,POM,-,BLK,-,SV-S99	
218	AD65-30051A	CLAMP-EVF;-,POM,-,-,-,SV-S99	
220	AD66-80147A	LINK-CASE EVF B;-,ABS 94,HB,-,SCL90	
221	AD60-40654A	PIN-CASE EVF A;-,-,PI1.5,-,SV-S99,STS304P	
223	AD64-30882C	CASE-EVF LEFT;-,ABS94V0,-,BLACK,-,VP-L95,-	
229	AC61-32047A	PLATE-NUT;SECC,T0.8,-,-,SV-V40	
901	AC60-10018A	SCREW-MACHINE;BH,+,M2,X3,FZB,FE,UP,-,-	
902	AC60-10019A	SCREW-MACHINE;BH,+,M2,X4,FZB,FE,UP,-,-	
905	AC60-10054A	SCREW-TAPPING;BH,+,-,M2,X6,FZB	
906	AC60-10073A	SCREW-TAPTITE;BH,+,-,M2,X6,ZP4,FE	

MEMO

7. Electrical Parts List

Loc. No	Part No	Description and Specification	Remark
172	**AD90-10823P**	**ASSY-DC/DC BOARD**	
BT901	AC90-10001D	ASSY-TERMINAL;VN-J50,-	
BT902	AC90-10001D	ASSY-TERMINAL;VN-J50,-	
C901	2203-001103	C-CERAMIC,CHIP;6.8NF,10%,50V,X7R,TP,1608,-	
C902	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C903	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C904	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,TP,1608,-	
C905	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,TP,1608,-	
C906	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C907	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C908	2203-001632	C-CERAMIC,CHIP;330PF,5%,50V,CH,TP,1608,1.6MM	
C909	2203-002218	C-CERAMIC,CHIP;47NF,10%,16V,X7R,TP,1608,-	
C910	2203-001222	C-CERAMIC,CHIP;820PF,10%,50V,X7R,TP,1608,-	
C911	2203-001697	C-CERAMIC,CHIP;82PF,5%,50V,CH,TP,1608,1.6MM	
C912	2203-001222	C-CERAMIC,CHIP;820PF,10%,50V,X7R,TP,1608,-	
C913	2203-001697	C-CERAMIC,CHIP;82PF,5%,50V,CH,TP,1608,1.6MM	
C914	2203-001573	C-CERAMIC,CHIP;12PF,5%,50V,CH,TP,1608,1.6MM	
C915	2203-001573	C-CERAMIC,CHIP;12PF,5%,50V,CH,TP,1608,1.6MM	
C916	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,NPO,TP,1608,-	
C917	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C918	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C923	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CN901	3710-001177	CONNECTOR-SOCKET;48P,2R,0.8MM,SMD-S,SN	
CN902	B6012-0249	CONNECTOR-HOUSING;SD-52365-0891 WHT MOLEX	
CT901	2404-000128	C-TA,CHIP;10UF,20%,16V,-,TP,6032,-	
CT902	2404-000128	C-TA,CHIP;10UF,20%,16V,-,TP,6032,-	
CT903	2404-000128	C-TA,CHIP;10UF,20%,16V,-,TP,6032,-	
CT904	2404-000128	C-TA,CHIP;10UF,20%,16V,-,TP,6032,-	
CT906	2404-000128	C-TA,CHIP;10UF,20%,16V,-,TP,6032,-	
CT907	2404-000254	C-TA,CHIP;47UF,20%,10V,-,TP,7343,-	
CT908	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CT909	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CT910	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CT911	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CT912	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CT913	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CT914	2404-000187	C-TA,CHIP;22UF,20%,10V,-,TP,6032,-	
CT915	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CT916	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CT917	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CT918	2404-000187	C-TA,CHIP;22UF,20%,10V,-,TP,6032,-	
CT919	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CT920	2404-000153	C-TA,CHIP;1UF,20%,20V,-,TP,3216,-	
CT921	2404-000153	C-TA,CHIP;1UF,20%,20V,-,TP,3216,-	
CT923	2404-000153	C-TA,CHIP;1UF,20%,20V,-,TP,3216,-	
CT924	2404-000360	C-TA,CHIP;22UF,20%,16V,-,-,7343,-	
CT925	2404-000128	C-TA,CHIP;10UF,20%,16V,-,TP,6032,-	
CT926	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CT927	2404-000128	C-TA,CHIP;10UF,20%,16V,-,TP,6032,-	
CT928	2404-000128	C-TA,CHIP;10UF,20%,16V,-,TP,6032,-	

Loc. No	Part No	Description and Specification	Remark
CT929	2404-000128	C-TA,CHIP;10UF,20%,16V,-,TP,6032,-	
CTXX1	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CTXX2	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
D901	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
D902	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
D903	0407-001013	DIODE-ARRAY;MA160A,80V,100MA,CX2,SOT-143,T	
IC901	AC14-12009V	IC-S/W REGU;TL1455C,5CH,DIP	
L901	2703-000402	INDUCTOR-SMD;1UH,20%,3.2X2.5X2.2MM	
L902	2703-000402	INDUCTOR-SMD;1UH,20%,3.2X2.5X2.2MM	
L903	2703-001427	INDUCTOR-SMD;1UH,10%,4.5X3.2X3.2MM	
L904	2703-000408	INDUCTOR-SMD;3.3UH,20%,3.2X2.5X2.2MM	
L905	2703-000408	INDUCTOR-SMD;3.3UH,20%,3.2X2.5X2.2MM	
L906	2703-000408	INDUCTOR-SMD;3.3UH,20%,3.2X2.5X2.2MM	
L907	2703-000353	INDUCTOR-SMD;47UH,20%,7.3X7.3X4.75MM	
L908	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L909	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L910	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L911	2703-000410	INDUCTOR-SMD;4.7UH,10%,3.2X2.5X2.2MM	
L912	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L913	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L914	2703-000351	INDUCTOR-SMD;100UH,20%,7.3X7.3X4.75MM	
L915	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L916	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L917	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L918	2703-001196	INDUCTOR-SMD;150UH,20%,7X7X3.2MM	
L919	2703-000351	INDUCTOR-SMD;100UH,20%,7.3X7.3X4.75MM	
L920	2703-000399	INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM	
L922	2703-000399	INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM	
L923	2703-000407	INDUCTOR-SMD;330UH,10%,3.2X2.5X2.2MM	
L925	2703-000402	INDUCTOR-SMD;1UH,20%,3.2X2.5X2.2MM	
L926	2703-001428	INDUCTOR-SMD;10UH,10%,4.5X3.2X3.2MM	
L927	2703-001427	INDUCTOR-SMD;1UH,10%,4.5X3.2X3.2MM	
L928	2703-000408	INDUCTOR-SMD;3.3UH,20%,3.2X2.5X2.2MM	
LI901	AC43-12002P	BATTERY;VL2330-1HF,3V,OD23XH3.0,	
PS901	B3065-0167 ⚠	FUSE;FSF 125V 2.0A 6.1MM UL/CSA 451002 C	
Q901	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q902	0501-000682	TR-SMALL SIGNAL;FP102,PNP,-600MW,PCP4,TP,140-5	
Q903	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q904	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500MW,PCP,TP,100-5	
Q905	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q906	0501-000681	TR-SMALL SIGNAL;FP101,PNP,1.3W,PCP4,TP,140-560	
Q907	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q908	0501-000681	TR-SMALL SIGNAL;FP101,PNP,1.3W,PCP4,TP,140-560	
Q909	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q910	0501-000681	TR-SMALL SIGNAL;FP101,PNP,1.3W,PCP4,TP,140-560	
Q911	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q912	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500MW,PCP,TP,100-5	
Q917	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q918	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
Q919	0504-000194	TR-DIGITAL;DTC124EU,NPN,200MW,22K-22K,SC-	
Q921	0504-000194	TR-DIGITAL;DTC124EU,NPN,200MW,22K-22K,SC-	
Q923	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
R901	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R902	2007-000103	R-CHIP;120KOHM,5%,1/16W,DA,TP,1608	
R903	2007-001649	R-CHIP;4.7KOHM,0.5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
R904	2007-001649	R-CHIP;4.7KOHM,0.5%,1/16W,DA,TP,1608	
R905	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R906	2007-000103	R-CHIP;120KOHM,5%,1/16W,DA,TP,1608	
R907	2007-001649	R-CHIP;4.7KOHM,0.5%,1/16W,DA,TP,1608	
R908	2007-001649	R-CHIP;4.7KOHM,0.5%,1/16W,DA,TP,1608	
R909	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R910	2007-000103	R-CHIP;120KOHM,5%,1/16W,DA,TP,1608	
R911	2007-001649	R-CHIP;4.7KOHM,0.5%,1/16W,DA,TP,1608	
R912	2007-001649	R-CHIP;4.7KOHM,0.5%,1/16W,DA,TP,1608	
R913	2007-001650	R-CHIP;8.2KOHM,0.5%,1/16W,DA,TP,1608	
R914	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R915	2007-000093	R-CHIP;20KOHM,5%,1/16W,DA,TP,1608	
R916	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R917	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R918	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R919	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R920	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R921	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R922	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R923	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R924	2007-000086	R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R925	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R926	2007-001644	R-CHIP;10KOHM,0.5%,1/16W,DA,TP,1608	
R927	2007-000979	R-CHIP;5.6KOHM,1%,1/16W,DA,TP,1608	
R928	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R929	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R930	2007-001118	R-CHIP;680OHM,5%,1/10W,DA,TP,2012	
R931	2007-000086	R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R932	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
R933	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R934	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R935	2007-001118	R-CHIP;680OHM,5%,1/10W,DA,TP,2012	
R936	2007-000086	R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R937	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
R938	2007-001179	R-CHIP;8.2KOHM,5%,1/16W,DA,TP,1608	
R939	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R940	2007-001691	R-CHIP;33KOHM,0.5%,1/16W,DA,TP,1608	
R941	2007-001645	R-CHIP;2.7KOHM,0.5%,1/16W,DA,TP,1608	
R942	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R943	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R944	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R947	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R948	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	
R949	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R953	2007-000052	R-CHIP;10KOHM,1%,1/16W,DA,TP,1608	
R954	2007-000450	R-CHIP;180OHM,5%,1/16W,DA,TP,1608	
R955	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R956	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R957	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R958	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R959	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608	
R960	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
SW901	3404-001010	SWITCH-TACT;12V,5MA,250GF,8.6°ø6.3°ø5.0MM,	
SW902	3408-001019	SWITCH-SLIDE;12V,100MA,SPST,ON-OFF,-	
SW903	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	

Loc. No	Part No	Description and Specification	Remark
T901	AD26-20120E	⚠ TRANS-CONVERTOR;REEL,-,CMS64(480UH);VP-A57	
VR901	2104-000115	VR-SMD;1KOHM,25%,0.15W,TOP	
VR902	2104-000115	VR-SMD;1KOHM,25%,0.15W,TOP	
VR903	2104-000115	VR-SMD;1KOHM,25%,0.15W,TOP	
VR904	2101-001018	VR-ROTARY;50KOHM,30%,0.03W,TOP	
152		**ASSY-MAIN BOARD**	
	AD90-10816B	NORMAL, STEREO, X32 D/ZOOM	VP-L90 ONLY
	AD90-10820J	Hi-8, STEREO, EIS, X64 D/ZOOM	VP-L95 ONLY
		VCR BLOCK	
PRE-AMP PARTS (NORMAL : VP-L90)			
C101	2203-000308	C-CERAMIC,CHIP;120PF,5%,50V,NPO,TP,1608,-	
C102	2203-000357	C-CERAMIC,CHIP;150PF,5%,50V,NPO,TP,1608,-	
C103	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM	
C104	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C105	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM	
C106	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C107	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C108	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C109	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,NPO,TP,1608,-	
C110	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C111	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C112	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,NPO,TP,1608,-	
C113	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C114	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C115	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C116	2203-001632	C-CERAMIC,CHIP;330PF,5%,50V,CH,TP,1608,1.6MM	
C117	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C118	2203-001632	C-CERAMIC,CHIP;330PF,5%,50V,CH,TP,1608,1.6MM	
C119	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C120	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C121	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C122	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C123	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C124	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,1608,-	
C125	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C126	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C127	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C128	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C129	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C130	2203-001616	C-CERAMIC,CHIP;270PF,5%,50V,CH,TP,1608,1.6MM	
C131	2203-001616	C-CERAMIC,CHIP;270PF,5%,50V,CH,TP,1608,1.6MM	
C132	A1100-0617	C-CERAMIC,CHIP;CC OB CH 50V T 360-J C1608 CH1H36	
C133	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,TP,1608,-	
C139	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,TP,1608,1	
C141	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C186	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C187	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CE101	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-	
CE102	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-	
CE103	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE104	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	

Loc. No	Part No	Description and Specification	Remark
CE105	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE106	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CE107	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CN101	AC41-22065A	FPC-CONNECTOR;00-6200-511-130-000,-,-,-	
IC101	1201-001091	IC-PREAMP;2002,QFP,48P,-,SINGLE,1000MV/V	
L101	2703-000404	INDUCTOR-SMD;220UH,10%,3.2X2.5X2.2MM	
L102	2703-000363	INDUCTOR-SMD;10UH,5%,2.5X2X1.8MM	
L103	2703-000404	INDUCTOR-SMD;220UH,10%,3.2X2.5X2.2MM	
L104	2703-000404	INDUCTOR-SMD;220UH,10%,3.2X2.5X2.2MM	
L105	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
L106	2703-000367	INDUCTOR-SMD;33UH,5%,2.5X2X1.8MM	
L107	2703-000381	INDUCTOR-SMD;180UH,5%,3.2X2.5X2.2MM	
L108	2703-000385	INDUCTOR-SMD;330UH,5%,3.2X2.5X2.2MM	
L109	2703-000388	INDUCTOR-SMD;470UH,5%,3.2X2.5X2.2MM	
L113	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM	
Q101	0506-000148	TR-ARRAY;UMT2N,PNP,2,-50V,-40V,-100MA,3	
Q102	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q103	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q104	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q105	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q106	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q111	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
R100	2007-001196	R-CHIP;820KOHM,5%,1/16W,DA,TP,1608	
R101	2007-000072	R-CHIP;47OHM,5%,1/16W,DA,TP,1608	
R102	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608	
R103	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R104	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R105	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R106	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R107	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R108	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R109	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R110	61079-918-393	R-CHIP;RH C1608 CS 393-J	
R111	61079-918-000	R-CHIP;RH C1608 CS 000-J	
R112	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608	
R113	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608	
R114	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R115	61079-918-393	R-CHIP;RH C1608 CS 393-J	
R116	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R117	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R118	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R119	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R120	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R121	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R122	2007-000125	R-CHIP;3.9KOHM,5%,1/16W,DA,TP,1608	
R123	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R124	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R125	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
R126	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R127	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R128	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R129	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R130	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R131	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R132	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification
R133	2007-000123	R-CHIP;1.5KOHM,5%,1/16W,DA,TP,1608
R134	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R135	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608
R136	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608
R139	2007-000118	R-CHIP;390OHM,5%,1/16W,DA,TP,1608
R147	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608
R151	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R152	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R153	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R154	61079-918-000	R-CHIP;RH C1608 CS 000-J
R192	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608
R193	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608
R194	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R197	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608

PRE-AMP PART (Hi-8 : VP-L95)

C101	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM
C102	2203-000357	C-CERAMIC,CHIP;150PF,5%,50V,NPO,TP,1608,-
C103	2203-001697	C-CERAMIC,CHIP;82PF,5%,50V,CH,TP,1608,1.6MM
C104	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
C105	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM
C106	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
C107	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C108	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C109	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,NPO,TP,1608,-
C110	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM
C111	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM
C112	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,NPO,TP,1608,-
C113	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C114	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C115	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
C116	2203-001632	C-CERAMIC,CHIP;330PF,5%,50V,CH,TP,1608,1.6MM
C117	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C118	2203-001632	C-CERAMIC,CHIP;330PF,5%,50V,CH,TP,1608,1.6MM
C119	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C120	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C121	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C122	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C123	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C124	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,1608,-
C125	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM
C126	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
C127	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
C128	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C129	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C130	2203-001616	C-CERAMIC,CHIP;270PF,5%,50V,CH,TP,1608,1.6MM
C131	2203-001616	C-CERAMIC,CHIP;270PF,5%,50V,CH,TP,1608,1.6MM
C132	A1100-0617	C-CERAMIC,CHIP;CC OB CH 50V T 360-J C1608 CH1H36
C133	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,TP,1608,-
C134	2203-001567	C-CERAMIC,CHIP;10PF,0.5PF,50V,CH,TP,1608,1.6M
C135	2203-001636	C-CERAMIC,CHIP;33PF,5%,50V,NPO,TP,1608,1.6MM
C136	2203-002220	C-CERAMIC,CHIP;56PF,5%,50V,CH,TP,1608,-
C137	2203-001567	C-CERAMIC,CHIP;10PF,0.5PF,50V,CH,TP,1608,1.6M
C138	2203-001567	C-CERAMIC,CHIP;10PF,0.5PF,50V,CH,TP,1608,1.6M
C139	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,TP,1608,1

Loc. No	Part No	Description and Specification
C140	2203-000308	C-CERAMIC,CHIP;120PF,5%,50V,NPO,TP,1608,-
C141	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
C142	2203-000426	C-CERAMIC,CHIP;18PF,5%,50V,NPO,TP,1608,-
C143	2203-000426	C-CERAMIC,CHIP;18PF,5%,50V,NPO,TP,1608,-
C144	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C145	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C146	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C147	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C148	2203-000384	C-CERAMIC,CHIP;15PF,5%,50V,NPO,TP,1608,-
C149	2203-000384	C-CERAMIC,CHIP;15PF,5%,50V,NPO,TP,1608,-
C150	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C151	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C152	2203-000308	C-CERAMIC,CHIP;120PF,5%,50V,NPO,TP,1608,-
C153	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C154	2203-000851	C-CERAMIC,CHIP;39PF,5%,50V,NPO,TP,1608,-
C155	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C156	2203-001083	C-CERAMIC,CHIP;5PF,0.1PF,50V,NPO,TP,1608,-
C157	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C158	2203-000384	C-CERAMIC,CHIP;15PF,5%,50V,NPO,TP,1608,-
C159	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,NPO,TP,1608,-
C160	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C161	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
C162	2203-001688	C-CERAMIC,CHIP;7PF,0.5PF,50V,CH,TP,1608,1.6MM
C163	2203-001699	C-CERAMIC,CHIP;8PF,0.5PF,50V,CH,TP,1608,1.6MM
C164	2203-000426	C-CERAMIC,CHIP;18PF,5%,50V,NPO,TP,1608,-
C165	2203-000384	C-CERAMIC,CHIP;15PF,5%,50V,NPO,TP,1608,-
C166	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C167	2203-001083	C-CERAMIC,CHIP;5PF,0.1PF,50V,NPO,TP,1608,-
C168	2203-001640	C-CERAMIC,CHIP;390PF,10%,50V,X7R,TP,1608,1.6M
C170	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C171	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C172	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,NPO,TP,1608,-
C173	2203-001658	C-CERAMIC,CHIP;47PF,5%,50V,CH,TP,1608,1.6MM
C174	2203-000308	C-CERAMIC,CHIP;120PF,5%,50V,NPO,TP,1608,-
C175	2203-001636	C-CERAMIC,CHIP;33PF,5%,50V,NPO,TP,1608,1.6MM
C176	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C177	2203-000405	C-CERAMIC,CHIP;180PF,5%,50V,NPO,TP,1608,-
C178	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C179	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,NPO,TP,1608,-
C180	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C181	2203-001683	C-CERAMIC,CHIP;68PF,5%,50V,CH,TP,1608,1.6MM
C182	2203-001676	C-CERAMIC,CHIP;62PF,5%,50V,CH,TP,1608,1.6MM
C183	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
C184	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C185	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
C186	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C187	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CE101	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-
CE102	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-
CE103	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-
CE104	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-
CE105	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-
CE106	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-
CE107	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-
CE108	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-

Loc. No	Part No	Description and Specification	Remark
CN101	AC41-22065A	FPC-CONNECTOR;00-6200-511-130-000,-,-,-	
D101	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
IC101	1201-001091	IC-PREAMP;2002,QFP,48P,-,SINGLE,1000MV/V	
IC102	1201-001092	IC-RF AMP;1509,QFP,48P,-,SINGLE,-,PLASTI	
L101	2703-000404	INDUCTOR-SMD;220UH,10%,3.2X2.5X2.2MM	
L102	2703-000363	INDUCTOR-SMD;10UH,5%,2.5X2X1.8MM	
L103	2703-000404	INDUCTOR-SMD;220UH,10%,3.2X2.5X2.2MM	
L104	2703-000404	INDUCTOR-SMD;220UH,10%,3.2X2.5X2.2MM	
L105	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
L106	2703-000367	INDUCTOR-SMD;33UH,5%,2.5X2X1.8MM	
L107	2703-000381	INDUCTOR-SMD;180UH,5%,3.2X2.5X2.2MM	
L108	2703-000385	INDUCTOR-SMD;330UH,5%,3.2X2.5X2.2MM	
L109	2703-000388	INDUCTOR-SMD;470UH,5%,3.2X2.5X2.2MM	
L110	2703-000425	INDUCTOR-SMD;27UH,5%,2X2.5X1.8MM	
L111	2703-000374	INDUCTOR-SMD;6.8UH,5%,2.5X2X1.8MM	
L112	2703-000363	INDUCTOR-SMD;10UH,5%,2.5X2X1.8MM	
L113	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM	
L114	2703-000427	INDUCTOR-SMD;5.6UH,5%,2X2.5X1.8MM	
L115	2703-000425	INDUCTOR-SMD;27UH,5%,2X2.5X1.8MM	
L116	2703-000380	INDUCTOR-SMD;18UH,5%,3.2X2.5X2.2MM	
L117	2703-000425	INDUCTOR-SMD;27UH,5%,2X2.5X1.8MM	
L118	2703-000380	INDUCTOR-SMD;18UH,5%,3.2X2.5X2.2MM	
L119	2703-000349	INDUCTOR-SMD;120UH,5%,3.2X2.5X2.2MM	
L120	2703-000371	INDUCTOR-SMD;4.7UH,5%,2.5X2X1.8MM	
L121	2703-000371	INDUCTOR-SMD;4.7UH,5%,2.5X2X1.8MM	
L122	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM	
L123	2703-000370	INDUCTOR-SMD;47UH,5%,2.5X2X1.8MM	
L124	2703-000187	INDUCTOR-SMD;3.3UH,5%,2X2.5X1.8MM	
L125	2703-000380	INDUCTOR-SMD;18UH,5%,3.2X2.5X2.2MM	
Q101	0506-000148	TR-ARRAY;UMT2N,PNP,2,-50V,-40V,-100MA,3	
Q102	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q103	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q104	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q105	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q106	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q107	0506-000151	TR-ARRAY;UMZ1N,NPN/PNP,1,50V,40V,100MA,	
Q109	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q110	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q111	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q112	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q113	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q114	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q115	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q116	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q117	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
R101	2007-000072	R-CHIP;47OHM,5%,1/16W,DA,TP,1608	
R102	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608	
R103	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R104	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R105	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R106	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R107	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R108	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R109	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R110	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
R111	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R112	2007-000118	R-CHIP;390OHM,5%,1/16W,DA,TP,1608	
R113	2007-000118	R-CHIP;390OHM,5%,1/16W,DA,TP,1608	
R114	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R115	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
R116	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R117	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R118	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R119	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R120	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R121	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R122	2007-000125	R-CHIP;3.9KOHM,5%,1/16W,DA,TP,1608	
R123	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R124	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R125	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
R126	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R127	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R128	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R129	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R130	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R131	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R132	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R133	2007-000123	R-CHIP;1.5KOHM,5%,1/16W,DA,TP,1608	
R134	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R135	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R136	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R137	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R138	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R140	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R141	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R144	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R145	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R146	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R147	2007-000072	R-CHIP;47OHM,5%,1/16W,DA,TP,1608	
R148	2007-000125	R-CHIP;3.9KOHM,5%,1/16W,DA,TP,1608	
R149	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R150	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R151	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R152	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R153	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R154	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R155	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R156	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R157	2007-000120	R-CHIP;680OHM,5%,1/16W,DA,TP,1608	
R158	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R159	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R160	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R161	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R162	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R163	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R164	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R165	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R166	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R167	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R168	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
R169	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R171	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R172	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R173	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R174	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R175	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R176	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R177	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R178	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608	
R179	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R180	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R181	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R182	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R183	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R184	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R185	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R186	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R187	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R188	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R189	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R190	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R191	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R192	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R193	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R194	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R195	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
VIDEO PARTS (NORMAL : VP-L90)			
C201	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C202	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C203	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C205	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C206	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C207	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C208	2203-001598	C-CERAMIC,CHIP;2.2UF,+80-20%,16V,Y5V,TP,2012,	
C209	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C210	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C211	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C212	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C213	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C214	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM	
C215	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C216	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C217	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C218	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C219	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,TP,1608,1	
C220	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C221	2203-000715	C-CERAMIC,CHIP;3.3NF,10%,50V,X7R,TP,1608,-	
C222	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C223	2203-001656	C-CERAMIC,CHIP;470PF,5%,50V,CH,TP,1608,1.6MM	
C224	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C225	2203-001640	C-CERAMIC,CHIP;390PF,10%,50V,X7R,TP,1608,1.6M	
C226	2203-001640	C-CERAMIC,CHIP;390PF,10%,50V,X7R,TP,1608,1.6M	
C230	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C231	2203-000592	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,1608,-	

Loc. No	Part No	Description and Specification	Remark
C232	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C233	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C234	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C235	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,TP,1608,1	
C236	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C237	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C238	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C239	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C240	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C241	2203-001628	C-CERAMIC,CHIP;30PF,5%,50V,CH,TP,1608,1.6MM	
C258	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C259	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C260	2203-001568	C-CERAMIC,CHIP;110PF,5%,50V,CH,TP,1608,1.6MM	
C261	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
C262	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
C263	2203-001640	C-CERAMIC,CHIP;390PF,10%,50V,X7R,TP,1608,1.6M	
C264	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C265	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C266	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C267	2203-001697	C-CERAMIC,CHIP;82PF,5%,50V,CH,TP,1608,1.6MM	
C268	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C269	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C270	2203-001567	C-CERAMIC,CHIP;10PF,0.5PF,50V,CH,TP,1608,1.6M	
C271	2203-001699	C-CERAMIC,CHIP;8PF,0.5PF,50V,CH,TP,1608,1.6MM	
C272	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C274	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C275	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C276	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C279	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CE203	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP3216,-	
CE204	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE205	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CE206	2402-000133	C-AL,SMD;220UF,20%,4V,GP,TP,6.6X6.6X6.3	
CE207	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
CE208	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE209	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE210	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
CE211	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CE212	2404-000218	C-TA,CHIP;330NF,20%,35V,-,TP,3216,-	
CE213	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
CE214	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE215	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CE221	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE222	2404-000204	C-TA,CHIP;3.3UF,20%,10V,-,TP,3216,-	
CE223	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE224	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CE226	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-	
CN201	3708-001140	CONNECTOR-FPC/FC/PIC;12P,0.8MM,SMD-A,SN	
CN202	3711-003393	CONNECTOR-HEADER;BOX,18P,2R,0.8MM,SMD-S,SN	
CN203	3710-001175	CONNECTOR-SOCKET;50P,2R,0.5MM,STRAIGHT,AU	
D201	0407-000115	DIODE-ARRAY;DAN202U,80V,100MA,CA2-3,SC-70,	
IC201	1204-001260	IC-VIDEO PROCESS;CXA2070R,QFP,64P,12MIL,PLASTIC	
IC202	1204-001123	IC-VIDEO PROCESS;CXA1822Q,QFP,32P,-,PLASTIC,7V,	
IC203	1209-001052	IC-ETC, LINEAR;CXA2003N,SOP,24P,-,PLASTIC,7V,	
IC204	1002-001013	IC-D/A CONVERTER;MB88346L,8BIT,SOP,20P,-,+-1.5L	

Loc. No	Part No	Description and Specification
IC205	1204-001146	IC-OSD PROCESSOR;BU6251FV,SOP,20P,240MIL,PLASTI
L201	2703-000399	INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM
L202	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM
L203	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM
L204	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM
L205	2703-000364	INDUCTOR-SMD;100UH,5%,2.5X2X1.8MM
L212	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM
L213	2703-000397	INDUCTOR-SMD;33UH,10%,2.5X2X1.8MM
L214	2703-000397	INDUCTOR-SMD;33UH,10%,2.5X2X1.8MM
L215	2703-000372	INDUCTOR-SMD;56UH,5%,2.5X2X1.8MM
L216	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM
Q201	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180
Q202	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180
Q203	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180
Q204	0506-000143	TR-ARRAY;UMD3N,NPN/PNP,2,300MW,UM6,TP,3
Q205	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180
Q206	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC
Q207	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC
Q208	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180
Q209	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180
Q212	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180
Q229	0501-000596	TR-SMALL SIGNAL;2SB970R,PNP,200MW,SOT-23,TP,13
Q230	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC
Q234	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M
Q235	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180
Q236	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC
Q237	0506-000146	TR-ARRAY;UMH6N,NPN,2,150MW,UM6,TP,68
Q238	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC
Q239	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-
Q240	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M
R198	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608
R201	2007-000839	R-CHIP;39OHM,5%,1/16W,DA,TP,1608
R202	2007-000113	R-CHIP;33OHM,5%,1/16W,DA,TP,1608
R203	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608
R204	2007-000839	R-CHIP;39OHM,5%,1/16W,DA,TP,1608
R205	2007-000113	R-CHIP;33OHM,5%,1/16W,DA,TP,1608
R206	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608
R207	2007-000839	R-CHIP;39OHM,5%,1/16W,DA,TP,1608
R208	2007-000113	R-CHIP;33OHM,5%,1/16W,DA,TP,1608
R209	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608
R210	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R211	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
R212	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608
R215	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608
R216	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608
R217	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
R218	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R219	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R220	2007-000583	R-CHIP;22KOHM,1%,1/16W,DA,TP,1608
R221	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
R222	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
R223	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608
R224	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
R225	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608
R226	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R227	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608
R228	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608
R229	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608
R230	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R231	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R232	2007-000122	R-CHIP;1.2KOHM,5%,1/16W,DA,TP,1608
R233	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608
R235	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608
R236	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R237	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
R238	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
R239	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R240	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608
R241	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608
R242	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608
R244	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
R246	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
R306	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608
R307	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R309	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R310	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608
R311	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R312	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608
R313	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608
R314	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608
R315	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
R316	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608
R317	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R318	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608
R319	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
R320	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608
R321	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R322	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R323	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R324	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R325	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608
R326	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R327	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R328	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R329	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R330	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
R334	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608
R337	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608
SC202	2203-001618	C-CERAMIC,CHIP;27PF,5%,50V,CH,TP,1608,1.6MM
SC204	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM
SL202	2703-000370	INDUCTOR-SMD;47UH,5%,2.5X2X1.8MM
SL203	2703-000425	INDUCTOR-SMD;27UH,5%,2X2.5X1.8MM
SQ201	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180
SQ202	0506-000146	TR-ARRAY;UMH6N,NPN,2,150MW,UM6,TP,68
SQ203	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180
SR201	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
SR202	2007-000122	R-CHIP;1.2KOHM,5%,1/16W,DA,TP,1608
SR203	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608
SR204	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608
SR205	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608

Loc. No	Part No	Description and Specification	Remark
VIDEO PARTS (Hi-8 : VP-L95)			
C201	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C202	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C203	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C204	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C205	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C206	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C207	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C208	2203-001598	C-CERAMIC,CHIP;2.2UF,+80-20%,16V,Y5V,TP,2012,	
C209	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C210	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C211	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C212	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C213	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C214	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM	
C215	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C216	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C217	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C218	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C219	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,TP,1608,1	
C220	2203-000592	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,1608,-	
C221	2203-001656	C-CERAMIC,CHIP;470PF,5%,50V,CH,TP,1608,1.6MM	
C222	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C223	2203-000592	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,1608,-	
C225	2203-001640	C-CERAMIC,CHIP;390PF,10%,50V,X7R,TP,1608,1.6M	
C226	2203-001640	C-CERAMIC,CHIP;390PF,10%,50V,X7R,TP,1608,1.6M	
C227	2203-000357	C-CERAMIC,CHIP;150PF,5%,50V,NPO,TP,1608,-	
C228	2203-000357	C-CERAMIC,CHIP;150PF,5%,50V,NPO,TP,1608,-	
C230	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C231	2203-001697	C-CERAMIC,CHIP;82PF,5%,50V,CH,TP,1608,1.6MM	
C232	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C233	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C234	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C235	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,TP,1608,1	
C236	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C237	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C238	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C239	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C240	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C241	2203-001683	C-CERAMIC,CHIP;68PF,5%,50V,CH,TP,1608,1.6MM	
C242	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C243	2203-001567	C-CERAMIC,CHIP;10PF,0.5PF,50V,CH,TP,1608,1.6M	
C244	2203-002220	C-CERAMIC,CHIP;56PF,5%,50V,CH,TP,1608,-	
C245	2203-001697	C-CERAMIC,CHIP;82PF,5%,50V,CH,TP,1608,1.6MM	
C246	2203-000851	C-CERAMIC,CHIP;39PF,5%,50V,NPO,TP,1608,-	
C247	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C248	2203-000851	C-CERAMIC,CHIP;39PF,5%,50V,NPO,TP,1608,-	
C249	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C251	2203-000405	C-CERAMIC,CHIP;180PF,5%,50V,NPO,TP,1608,-	
C252	2203-001658	C-CERAMIC,CHIP;47PF,5%,50V,CH,TP,1608,1.6MM	
C253	2203-000592	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,1608,-	
C254	2203-000341	C-CERAMIC,CHIP;130PF,5%,50V,NPO,TP,2012,-	
C256	2203-000357	C-CERAMIC,CHIP;150PF,5%,50V,NPO,TP,1608,-	
C257	2203-001697	C-CERAMIC,CHIP;82PF,5%,50V,CH,TP,1608,1.6MM	
C258	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	

Loc. No	Part No	Description and Specification	Remark
C268	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C269	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C270	2203-001567	C-CERAMIC,CHIP;10PF,0.5PF,50V,CH,TP,1608,1.6M	
C271	2203-001699	C-CERAMIC,CHIP;8PF,0.5PF,50V,CH,TP,1608,1.6MM	
C272	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C273	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C274	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C277	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C278	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C279	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CE201	2402-000133	C-AL,SMD;220UF,20%,4V,GP,TP,6.6X6.6X6.3	
CE202	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
CE203	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE204	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE205	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CE206	2402-000133	C-AL,SMD;220UF,20%,4V,GP,TP,6.6X6.6X6.3	
CE207	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
CE208	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE209	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE210	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
CE211	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CE212	2404-000218	C-TA,CHIP;330NF,20%,35V,-,TP,3216,-	
CE213	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
CE214	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE215	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CE216	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE217	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE218	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE219	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-	
CE220	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE223	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
CE224	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CE225	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CE226	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-	
CN201	3708-001140	CONNECTOR-FPC/FC/PIC;12P,0.8MM,SMD-A,SN	
CN202	3711-003393	CONNECTOR-HEADER;BOX,18P,2R,0.8MM,SMD-S,SN	
CN203	3710-001175	CONNECTOR-SOCKET;50P,2R,0.5MM,STRAIGHT,AU	
D201	0407-000115	DIODE-ARRAY;DAN202U,80V,100MA,CA2-3,SC-70,	
D202	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
D203	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
FL201	AD29-90200F	FILTER-LC;TP,MXF3535L5R00T 003,LP,5.0MHZ	
FL202	2909-001034	FILTER-LC;5MHZ,-,0.5DB,TP,2DB/5MHZ,25DB/	
FL203	2909-001034	FILTER-LC;5MHZ,-,0.5DB,TP,2DB/5MHZ,25DB/	
IC201	1204-001121	IC-VIDEO PROCESS;CXA2080R,QFP,64P,-,EPOXY RESIN	
IC202	1204-001123	IC-VIDEO PROCESS;CXA1822Q,QFP,32P,-,PLASTIC,7V,	
IC204	1002-001013	IC-D/A CONVERTER;MB88346L,8BIT,SOP,20P,-,+-1.5L	
IC205	1204-001263	IC-OSD PROCESSOR;BU6273FV,SOP,20P,240MIL,PLASTI	
L201	2703-000399	INDUCTOR-SMD;100UH,10%,3.2X2.5X2.2MM	
L202	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM	
L203	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L204	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L205	2703-000364	INDUCTOR-SMD;100UH,5%,2.5X2X1.8MM	
L206	2703-000367	INDUCTOR-SMD;33UH,5%,2.5X2X1.8MM	
L207	2703-000425	INDUCTOR-SMD;27UH,5%,2X2.5X1.8MM	
L208	2703-000370	INDUCTOR-SMD;47UH,5%,2.5X2X1.8MM	

Loc. No	Part No	Description and Specification	Remark
L209	2703-000380	INDUCTOR-SMD;18UH,5%,3.2X2.5X2.2MM	
L210	2703-000365	INDUCTOR-SMD;15UH,5%,2.5X2X1.8MM	
L211	2703-000425	INDUCTOR-SMD;27UH,5%,2X2.5X1.8MM	
L213	2703-000397	INDUCTOR-SMD;33UH,10%,2.5X2X1.8MM	
L214	2703-000397	INDUCTOR-SMD;33UH,10%,2.5X2X1.8MM	
L215	2703-000372	INDUCTOR-SMD;56UH,5%,2.5X2X1.8MM	
L216	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
Q201	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q202	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q203	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q204	0506-000143	TR-ARRAY;UMD3N,NPN/PNP,2,300MW,UM6,TP,3	
Q205	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180	
Q206	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q207	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q208	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q209	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180	
Q210	0506-000146	TR-ARRAY;UMH6N,NPN,2,150MW,UM6,TP,68	
Q212	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q214	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q215	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q216	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q217	0506-000151	TR-ARRAY;UMZ1N,NPN/PNP,1,50V,40V,100MA,	
Q218	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q219	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q220	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q221	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q222	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180	
Q223	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q225	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q226	0506-000151	TR-ARRAY;UMZ1N,NPN/PNP,1,50V,40V,100MA,	
Q227	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
Q228	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
Q229	0501-000596	TR-SMALL SIGNAL;2SB970R,PNP,200MW,SOT-23,TP,13	
Q230	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q231	0506-000143	TR-ARRAY;UMD3N,NPN/PNP,2,300MW,UM6,TP,3	
Q232	0506-000143	TR-ARRAY;UMD3N,NPN/PNP,2,300MW,UM6,TP,3	
Q233	0506-000143	TR-ARRAY;UMD3N,NPN/PNP,2,300MW,UM6,TP,3	
Q241	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
R201	2007-000839	R-CHIP;39OHM,5%,1/16W,DA,TP,1608	
R202	2007-000113	R-CHIP;33OHM,5%,1/16W,DA,TP,1608	
R203	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R204	2007-000839	R-CHIP;39OHM,5%,1/16W,DA,TP,1608	
R205	2007-000113	R-CHIP;33OHM,5%,1/16W,DA,TP,1608	
R206	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R207	2007-000839	R-CHIP;39OHM,5%,1/16W,DA,TP,1608	
R208	2007-000113	R-CHIP;33OHM,5%,1/16W,DA,TP,1608	
R209	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R210	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R211	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R212	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R213	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R214	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R215	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	
R216	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
R217	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
R218	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R219	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R220	2007-000583	R-CHIP;22KOHM,1%,1/16W,DA,TP,1608	
R221	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R222	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R224	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R225	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R226	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R227	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R228	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R229	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R230	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R231	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R232	2007-000122	R-CHIP;1.2KOHM,5%,1/16W,DA,TP,1608	
R233	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R234	2007-000118	R-CHIP;390OHM,5%,1/16W,DA,TP,1608	
R235	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R236	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R237	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R238	2007-000088	R-CHIP;7.5KOHM,5%,1/16W,DA,TP,1608	
R239	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R240	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R241	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R242	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
R244	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R245	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R248	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R249	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R250	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R251	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	
R252	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R253	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R254	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R255	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R256	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R257	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	
R258	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
R259	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R260	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608	
R261	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R262	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R263	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R264	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R265	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R266	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R267	2007-000120	R-CHIP;680OHM,5%,1/16W,DA,TP,1608	
R268	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R269	2007-000120	R-CHIP;680OHM,5%,1/16W,DA,TP,1608	
R270	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R271	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R272	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R273	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R274	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R275	2007-000120	R-CHIP;680OHM,5%,1/16W,DA,TP,1608	
R276	2007-000074	R-CHIP;100OHM,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
R277	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R278	2007-000096	R-CHIP;30KOHM,5%,1/16W,DA,TP,1608	
R279	2007-000093	R-CHIP;20KOHM,5%,1/16W,DA,TP,1608	
R280	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R281	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R282	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R283	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R284	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R285	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R286	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R287	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R288	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R289	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R290	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R291	2007-000120	R-CHIP;680OHM,5%,1/16W,DA,TP,1608	
R292	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R294	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R295	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R296	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608	
R297	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R298	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R299	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R300	2007-000074	R-CHIP;100OHM,5%,1/16W,DA,TP,1608	
R301	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R302	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R303	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R305	2007-000120	R-CHIP;680OHM,5%,1/16W,DA,TP,1608	
R306	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R307	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R308	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R322	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R323	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R324	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R325	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R326	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R327	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R328	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R329	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R330	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R334	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	

SYSTEM CONTROL/SERVO PARTS

Loc. No	Part No	Description and Specification	Remark
BD501	3301-001051	CORE-FERRITE BEAD;AC,1.6X0.8X0.8MM,-,-	
BD502	3301-001051	CORE-FERRITE BEAD;AC,1.6X0.8X0.8MM,-,-	
C502	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-	
C503	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C504	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-	
C505	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C506	2203-001573	C-CERAMIC,CHIP;12PF,5%,50V,CH,TP,1608,1.6MM	
C507	2203-001573	C-CERAMIC,CHIP;12PF,5%,50V,CH,TP,1608,1.6MM	
C512	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C513	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C514	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C515	2203-001103	C-CERAMIC,CHIP;6.8NF,10%,50V,X7R,TP,1608,-	
C516	2203-001103	C-CERAMIC,CHIP;6.8NF,10%,50V,X7R,TP,1608,-	

Loc. No	Part No	Description and Specification	Remark
C517	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C518	2203-000592	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,1608,-	
C519	2203-000592	C-CERAMIC,CHIP;220PF,5%,50V,NPO,TP,1608,-	
C520	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C521	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C522	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C523	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,1608,-	
C524	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C525	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C526	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C527	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,1608,-	
C528	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C529	2404-000130	C-TA,CHIP;10UF,20%,20V,-,TP,6032,-	
C531	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C532	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C533	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,1608,-	
C534	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C535	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,1608,-	
C536	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C537	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C538	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,TP,1608,1	
C539	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,TP,1608,1	
C540	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C541	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C542	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C543	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C544	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,TP,1608,-	
C545	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,TP,1608,-	
C546	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,TP,1608,-	
C547	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,TP,1608,1	
C548	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,TP,1608,1	
C549	2203-005345	C-CERAMIC,CHIP;330NF,20%,50V,X7R,TP,2012,-	
C550	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,1608,-	
C551	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,TP,1608,1	
C552	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C553	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C554	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C555	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C556	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C557	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C558	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C559	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C560	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C561	2203-005012	C-CERAMIC,CHIP;150NF,20%,16V,Y5V,TP,1608,-	
C562	2203-005012	C-CERAMIC,CHIP;150NF,20%,16V,Y5V,TP,1608,-	
C563	2203-005012	C-CERAMIC,CHIP;150NF,20%,16V,Y5V,TP,1608,-	
C564	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C566	2404-000190	C-TA,CHIP;22UF,20%,16V,-,TP,5832,-	
C567	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C570	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C571	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C572	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CN501	3711-002130	CONNECTOR-HEADER;BOX,48P,2R,0.8,ANGLE,SN	
CN502	3708-001067	CONNECTOR-FPC/FC/PIC;40P,0.5MM,STRAIGHT,SN	
CN503	3711-003557	CONNECTOR-HEADER;BOX,48P,2R,0.8MM,SMD-S,AU	

Loc. No	Part No	Description and Specification	Remark
CTP01	3710-000396	CONNECTOR-SOCKET;30P,2R,0.8MM,STRAIGHT,SN	
IC501	AD11-10020E	MASK-ROM;CXP874P60Q-1,100P,QFP,VP-N55,8	
IC502	1204-001124	IC-VIDEO SYSTEM;CXA1814N,SOP,30P,-,PLASTIC,7V,	
IC503	1003-001015	IC-MOTOR DRIVER;LB8112,SOP,30P,220MIL,SINGLE,6	
IC504	1003-001012	IC-MOTOR DRIVER;LB1950,SOP,30P,300MIL,SINGLE,0	
IC505	1003-001020	IC-MOTOR DRIVER;LB1951,SOP,24P,-,SINGLE,1MA,ST	
IC506	AC14-12012T	IC-OP AMP;TA75S01F(TE85L),QFP,-	
IC507	1102-001043	IC-EPROM;29194,1KX16BIT,SOP,8P,150MIL,2	
L504	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L505	2703-000409	INDUCTOR-SMD;47UH,10%,3.2X2.5X2.2MM	
L506	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L507	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L508	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
L509	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
Q501	0502-001076	TR-POWER;2SB1302(T),PNP,1.3W,SC-62,TP,2	
Q502	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70	
Q503	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
R501	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R502	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R503	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R504	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R505	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R506	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R507	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R508	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
R513	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R514	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R515	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R516	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R520	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R521	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R522	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R523	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R524	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R525	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R526	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R527	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R528	2007-000052	R-CHIP;10KOHM,1%,1/16W,DA,TP,1608	
R529	2007-000060	R-CHIP;100KOHM,1%,1/16W,DA,TP,1608	
R530	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R531	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R532	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R533	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R544	2007-000755	R-CHIP;330KOHM,1%,1/16W,DA,TP,1608	
R545	2007-000772	R-CHIP;33KOHM,1%,1/16W,DA,TP,1608	
R546	2007-000060	R-CHIP;100KOHM,1%,1/16W,DA,TP,1608	
R547	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R548	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R549	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R550	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R551	2007-000067	R-CHIP;15KOHM,1%,1/16W,DA,TP,1608	
R552	2007-000067	R-CHIP;15KOHM,1%,1/16W,DA,TP,1608	
R553	2007-000067	R-CHIP;15KOHM,1%,1/16W,DA,TP,1608	
R554	2007-000939	R-CHIP;47KOHM,1%,1/16W,DA,TP,1608	
R555	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
R556	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
R557	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R558	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R559	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
R560	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R561	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R562	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R563	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R564	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R565	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R566	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R567	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	
R568	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R569	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R570	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R571	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R572	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R573	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R574	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R575	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R576	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R578	2007-000755	R-CHIP;330KOHM,1%,1/16W,DA,TP,1608	
R579	2007-000755	R-CHIP;330KOHM,1%,1/16W,DA,TP,1608	
R580	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R581	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R582	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R583	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R584	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R585	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R586	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R587	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R588	2007-001043	R-CHIP;56OHM,5%,1/10W,DA,TP,2012	
R589	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R590	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R591	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R592	2007-000093	R-CHIP;20KOHM,5%,1/16W,DA,TP,1608	
R593	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
R594	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R595	2007-000503	R-CHIP;2.2OHM,5%,1/16W,DA,TP,1608	
R596	2007-000503	R-CHIP;2.2OHM,5%,1/16W,DA,TP,1608	
R597	2007-000503	R-CHIP;2.2OHM,5%,1/16W,DA,TP,1608	
R599	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R602	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R605	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R608	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R609	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R610	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R611	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R612	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R613	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R615	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R616	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R617	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R618	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R621	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
R622	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R625	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
R626	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
R630	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R631	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R632	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R642	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R643	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R644	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R645	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R646	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R647	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
R648	2007-000060	R-CHIP;100KOHM,1%,1/16W,DA,TP,1608	
R649	2007-000060	R-CHIP;100KOHM,1%,1/16W,DA,TP,1608	
R650	2007-000060	R-CHIP;100KOHM,1%,1/16W,DA,TP,1608	
R651	2007-000060	R-CHIP;100KOHM,1%,1/16W,DA,TP,1608	
R652	2007-000060	R-CHIP;100KOHM,1%,1/16W,DA,TP,1608	
R654	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RM501	2011-001015	R-NETWORK;1KOHM,5%,1/16W,L,CHIP,8P,TP	
RM502	2011-000768	R-NETWORK;100KOHM,5%,1/16W,L,CHIP,8P,ST	
RM503	2011-001015	R-NETWORK;1KOHM,5%,1/16W,L,CHIP,8P,TP	
S501	3408-000297	SWITCH-SLIDE;5V,1A,-,-	
S502	AD34-20100B	SWITCH-MODE;8EA,13MM/6.5MM,REEL,3V	
X501	2801-003242	CRYSTAL-SMD;11.895104MHZ,50PPM,28-ABL,13PF	

CAMERA BLOCK

DRIVE PARTS

Loc. No	Part No	Description and Specification	Remark
CC01	2203-000357	C-CERAMIC,CHIP;150PF,5%,50V,NPO,TP,1608,-	
CC02	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,NPO,TP,1608,-	
CC03	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CC04	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CC05	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CC06	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
CC07	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,1608,1.6MM	
CC08	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CC13	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
CC14	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
CC15	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,1608,-	
CC17	2404-000187	C-TA,CHIP;22UF,20%,10V,-,TP,6032,-	
CC18	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CC19	2404-000232	C-TA,CHIP;4.7UF,20%,10V,-,TP,3216,-	
CC20	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CC21	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
CC22	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CC23	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-	
CC24	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CC25	2203-001636	C-CERAMIC,CHIP;33PF,5%,50V,NPO,TP,1608,1.6MM	
CC26	2203-000384	C-CERAMIC,CHIP;15PF,5%,50V,NPO,TP,1608,-	
CC28	2404-000141	C-TA,CHIP;10UF,20%,6.3V,-,TP,3528,-	
CC29	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CC30	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CC31	2203-001573	C-CERAMIC,CHIP;12PF,5%,50V,CH,TP,1608,1.6MM	
CC32	2203-001573	C-CERAMIC,CHIP;12PF,5%,50V,CH,TP,1608,1.6MM	
CC33	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	

Loc. No	Part No	Description and Specification	Remark
CC34	2404-000254	C-TA,CHIP;47UF,20%,10V,-,TP,7343,-	
CC35	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CC36	2203-000715	C-CERAMIC,CHIP;3.3NF,10%,50V,X7R,TP,1608,-	
CC37	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CC38	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CC39	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CC40	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CC41	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CC42	2203-002199	C-CERAMIC,CHIP;2.4NF,10%,50V,X7R,TP,1608,-	
CC43	2203-002199	C-CERAMIC,CHIP;2.4NF,10%,50V,X7R,TP,1608,-	
CC46	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CC47	2404-000187	C-TA,CHIP;22UF,20%,10V,-,TP,6032,-	
CC48	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CC49	2203-000715	C-CERAMIC,CHIP;3.3NF,10%,50V,X7R,TP,1608,-	
CC50	2203-000715	C-CERAMIC,CHIP;3.3NF,10%,50V,X7R,TP,1608,-	
CC51	2203-000715	C-CERAMIC,CHIP;3.3NF,10%,50V,X7R,TP,1608,-	
CC52	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CC53	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CC54	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
DC01	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DC02	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DC03	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DC04	0404-000150	DIODE-SCHOTTKY;EC10QS04,40V,1A,SMD,TP	
DC05	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
ICC01	1201-000240	IC-OP AMP;2902,SOP,14P,173MIL,QUAD,15V/M	
ICC02	1002-001013	IC-D/A CONVERTER;MB88346L,8BIT,SOP,20P,-,+-1.5L	
ICC03	1203-001021	IC-VOLTAGE REGULATOR;8423,SOP,8P,251MIL,PLASTIC,	
ICC04	AD09-12001V	IC-MASK;CXP81732A-507Q,QFP,100P	
ICC05	AD11-12001E	IC-EEPROM;XL24C02,SOP,8P	
ICC06	1003-001071	IC-MOTOR DRIVER;MPC17AT85VM,SOP,30P,206MIL,-,1	
ICC08	1201-000200	IC-OP AMP;3414,SOP,8P,173MIL,DUAL,-,PLAS	
ICC09	1003-001071	IC-MOTOR DRIVER;MPC17AT85VM,SOP,30P,206MIL,-,1	
LC01	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LC02	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LC03	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LC04	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LC05	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LC06	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
QC02	0501-000676	TR-SMALL SIGNAL;2SA1774-R,PNP,150MW,EM3,TP,180	
QC11	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
QC12	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
QC15	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70	
RC01	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RC02	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RC03	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
RC04	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
RC05	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
RC06	2007-000637	R-CHIP;270KOHM,5%,1/16W,DA,TP,1608	
RC07	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RC08	2007-000637	R-CHIP;270KOHM,5%,1/16W,DA,TP,1608	
RC10	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RC11	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC12	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
RC13	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
RC14	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
RC15	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC16	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
RC19	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
RC21	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
RC22	2007-001442	R-CHIP;10OHM,5%,1/16W,DA,TP,1608	
RC24	2007-001695	R-CHIP;22KOHM,0.5%,1/16W,DA,TP,1608	
RC25	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC26	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RC29	2007-000133	R-CHIP;330KOHM,5%,1/16W,DA,TP,1608	
RC30	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
RC32	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RC52	2007-000087	R-CHIP;6.8KOHM,5%,1/16W,DA,TP,1608	
RC53	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
RC54	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RC55	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RC56	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC57	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RC58	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RC59	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
RC60	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
RC61	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RC62	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RC64	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RC65	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RC66	2007-000100	R-CHIP;68KOHM,5%,1/16W,DA,TP,1608	
RC67	2007-000100	R-CHIP;68KOHM,5%,1/16W,DA,TP,1608	
RC68	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RC69	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RC70	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RC71	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RC72	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RC73	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RC79	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC80	2007-000637	R-CHIP;270KOHM,5%,1/16W,DA,TP,1608	
RC81	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
RC82	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RC83	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RC90	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RC91	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RC93	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RC94	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RC95	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RC98	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
XC01	2801-001449	CRYSTAL-SMD;32.768KHZ,20PPM,28-AAW,12.5PF,	
XC02	2801-001417	CRYSTAL-SMD;12MHZ,50PPM,26-AAE,12PF,70OHM,	

EIS 2 PARTS (NO EIS : VP-L90)

Loc. No	Part No	Description and Specification	Remark
RE40	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	VP-L90 ONLY
RE41	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	VP-L90 ONLY

EIS 2 PARTS (EIS : VP-L95)

Loc. No	Part No	Description and Specification	Remark
CE25	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CE26	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CE27	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM	
CE28	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM	

Loc. No	Part No	Description and Specification	Remark
CE29	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM	
CE30	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
DE01	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DE02	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DE03	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DE04	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
ICE01	AC09-12014S	IC-MCU;CXP811P24R,QFP,SV-H68	
LE02	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
RE28	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RE29	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RE30	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RE32	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RE35	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RE38	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	

PROCERSS PARTS

Loc. No	Part No	Description and Specification	Remark
CNP01	3710-000408	CONNECTOR-SOCKET;40P,2R,0.8MM,-,	
CP01	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CP02	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CP03	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CP04	2203-001598	C-CERAMIC,CHIP;2.2UF,+80-20%,16V,Y5V,TP,2012,	
CP05	2203-001402	C-CERAMIC,CHIP;220NF,+80-20%,16V,Y5V,TP,1608,	
CP06	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-	
CP07	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
CP09	2203-001402	C-CERAMIC,CHIP;220NF,+80-20%,16V,Y5V,TP,1608,	
CP10	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CP11	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CP12	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CP13	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CP14	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CP15	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
CP16	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
CP17	2203-001618	C-CERAMIC,CHIP;27PF,5%,50V,CH,TP,1608,1.6MM	
CP19	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CP20	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CP27	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-	
CP28	2203-001083	C-CERAMIC,CHIP;5PF,0.1PF,50V,NPO,TP,1608,-	
CP29	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
CP30	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CP31	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CP32	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CP33	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CP34	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CP35	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-	
CP37	2203-000426	C-CERAMIC,CHIP;18PF,5%,50V,NPO,TP,1608,-	
CP38	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
CP39	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CP40	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
CP41	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-	
CP42	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CP43	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CP44	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CP45	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CP46	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CP47	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	

Loc. No	Part No	Description and Specification	Remark
CP48	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CP49	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CP50	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CP51	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CP54	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CP70	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CP71	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CP72	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
CP74	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CP75	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CP76	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
DP03	0405-000151	DIODE-VARACTOR;1T379,30V,10NA,USMD,TP	
DP04	0405-000145	DIODE-VARACTOR;1T363A,30V,10NA,M-235,TP	
ICP01	1201-001049	IC-AGC AMP;2006,QFP,32P,7.0MIL,SINGLE,500	
ICP02	1201-001086	IC-OP AMP;75S558,SOP,5P,62.9MIL,DUAL,100	
ICP03	1002-001019	IC-A/D CONVERTER;CXD2312R,9BIT,QFP,48P,-,1/2LSB	
ICP04	1204-001072	IC-VIDEO PROCESS;CXD2180R,QFP,100P,-,PLASTIC,7V	
ICP05	1204-001070	IC-VIDEO SYSTEM;CXD2153AR,QFP,64P,-,PLASTIC,6.	
ICP06	1204-001071	IC-IF DETECTOR;CXD2418R,QFP,48P,-,PLASTIC,7V,	
ICP07	1205-001053	IC-GENERATOR;CXD2415R,QFP,48P,-,PLASTIC,7V,	
ICP08	1201-001086	IC-OP AMP;75S558,SOP,5P,62.9MIL,DUAL,100	
LP01	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LP02	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LP03	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
LP04	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LP05	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
LP07	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LP08	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LP09	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LP10	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LP11	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
QP01	0501-000676	TR-SMALL SIGNAL;2SA1774-R,PNP,150MW,EM3,TP,180	
QP02	0501-000676	TR-SMALL SIGNAL;2SA1774-R,PNP,150MW,EM3,TP,180	
QP03	0506-000143	TR-ARRAY;UMD3N,NPN/PNP,2,300MW,UM6,TP,3	
QP04	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
QP05	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
QP06	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
QP07	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
RP04	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RP05	2007-001134	R-CHIP;68OHM,5%,1/16W,DA,TP,1608	
RP08	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RP09	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RP10	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RP11	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RP15	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RP17	2007-000819	R-CHIP;390KOHM,5%,1/16W,DA,TP,1608	
RP18	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RP19	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
RP20	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RP21	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RP22	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RP23	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RP24	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RP25	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RP26	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
RP29	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
RP30	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RP31	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RP32	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RP34	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RP36	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RP43	2007-001644	R-CHIP;10KOHM,0.5%,1/16W,DA,TP,1608	
RP44	2007-001442	R-CHIP;10OHM,5%,1/16W,DA,TP,1608	
RP45	2007-001442	R-CHIP;10OHM,5%,1/16W,DA,TP,1608	
RP46	2007-000040	R-CHIP;150OHM,1%,1/16W,DA,TP,1608	
RP48	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RP49	2007-000939	R-CHIP;47KOHM,1%,1/16W,DA,TP,1608	
RP50	2007-001644	R-CHIP;10KOHM,0.5%,1/16W,DA,TP,1608	
RP52	2007-001056	R-CHIP;6.2KOHM,5%,1/16W,DA,TP,1608	
RP53	2007-000072	R-CHIP;47OHM,5%,1/16W,DA,TP,1608	
RP54	2007-001056	R-CHIP;6.2KOHM,5%,1/16W,DA,TP,1608	
RP55	2007-000939	R-CHIP;47KOHM,1%,1/16W,DA,TP,1608	
RP56	2007-000067	R-CHIP;15KOHM,1%,1/16W,DA,TP,1608	
RP57	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RP90	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RP91	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RP92	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RP94	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
XP01	2801-003251	CRYSTAL-SMD;28.375MHZ,30PPM,28-ABL,8.0PF,5	
XP02	2801-003254	CRYSTAL-SMD;17.734475MHZ,20PPM,28-ABN,12.8	
151	**AD90-10816A**	**ASSY-AUDIO BOARD;NORMAL,STEREO**	**VP-L90 ONLY**
VIDEO-SUB PARTS (NORMAL : VP-L90)			
SC101	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
SC103	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
SC104	2203-001567	C-CERAMIC,CHIP;10PF,0.5PF,50V,CH,TP,1608,1.6M	
SC105	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,NPO,TP,1608,-	
SC106	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
SC107	2203-000426	C-CERAMIC,CHIP;18PF,5%,50V,NPO,TP,1608,-	
SC108	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
SC109	2203-000426	C-CERAMIC,CHIP;18PF,5%,50V,NPO,TP,1608,-	
SC110	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
SC111	2203-000851	C-CERAMIC,CHIP;39PF,5%,50V,NPO,TP,1608,-	
SC112	2203-001618	C-CERAMIC,CHIP;27PF,5%,50V,CH,TP,1608,1.6MM	
SC113	2203-001616	C-CERAMIC,CHIP;270PF,5%,50V,CH,TP,1608,1.6MM	
SC114	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM	
SC115	2203-001658	C-CERAMIC,CHIP;47PF,5%,50V,CH,TP,1608,1.6MM	
SC116	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
SC119	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
SC120	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
SD101	0407-000145	DIODE-ARRAY;DCC010,-80V,100MA,C2-3,SOT-23,	
SL101	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM	
SL103	2703-000367	INDUCTOR-SMD;33UH,5%,2.5X2X1.8MM	
SL104	2703-000363	INDUCTOR-SMD;10UH,5%,2.5X2X1.8MM	
SL105	2703-000376	INDUCTOR-SMD;8.2UH,5%,2.5X2X1.8MM	
SL106	2703-000417	INDUCTOR-SMD;220UH,5%,3.2X2.5X2.2MM	
SL107	2703-000349	INDUCTOR-SMD;120UH,5%,3.2X2.5X2.2MM	
SQ101	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
SQ102	0501-000207	TR-SMALL SIGNAL;2SC3142,NPN,150MW,SOT-23,TP,40	

Loc. No	Part No	Description and Specification
SQ103	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M
SQ104	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180
SQ105	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180
SQ106	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180
SQ107	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180
SR101	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608
SR102	2007-000120	R-CHIP;680OHM,5%,1/16W,DA,TP,1608
SR103	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
SR104	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
SR105	2007-000118	R-CHIP;390OHM,5%,1/16W,DA,TP,1608
SR106	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608
SR107	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608
SR108	2007-000122	R-CHIP;1.2KOHM,5%,1/16W,DA,TP,1608
SR109	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608
SR110	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608
SR111	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
SR112	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608
SR113	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
SR114	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608
SR115	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608
SR116	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608
SR117	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608
SR118	2007-000074	R-CHIP;100OHM,5%,1/16W,DA,TP,1608
SR119	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608
SR120	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608
SR121	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608
SR122	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608
SR123	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608
SR124	2007-000123	R-CHIP;1.5KOHM,5%,1/16W,DA,TP,1608
SR125	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608
SR133	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608

AUDIO PARTS (STEREO : VP-L90)

Loc. No	Part No	Description and Specification	Remarl
C701	2404-000250	C-TA,CHIP;470NF,20%,25V,-,TP,3216,-	
C702	2404-000250	C-TA,CHIP;470NF,20%,25V,-,TP,3216,-	
C703	2402-001016	C-AL,SMD;33UF,20%,6.3V,-,TP,4.3X4.3X5.8	
C704	2402-000187	C-AL,SMD;220NF,20%,50V,-,TP,3X5.5MM,-	
C706	2402-001013	C-AL,SMD;47UF,20%,6.3V,GP,TP,5.3X1.5X5.	
C707	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
C711	2402-000187	C-AL,SMD;220NF,20%,50V,-,TP,3X5.5MM,-	
C712	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,1608,-	
C713	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C716	2402-001013	C-AL,SMD;47UF,20%,6.3V,GP,TP,5.3X1.5X5.	
C717	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C718	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C721	2203-001652	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,1608,	
C722	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C723	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C725	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
C726	2203-001103	C-CERAMIC,CHIP;6.8NF,10%,50V,X7R,TP,1608,-	
C727	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C728	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C729	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C731	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C732	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
C733	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
C734	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
C736	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C737	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C738	2203-001652	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,1608,	
C741	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C742	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C743	2402-001013	C-AL,SMD;47UF,20%,6.3V,GP,TP,5.3X1.5X5.	
C746	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C747	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,1608,-	
C748	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C749	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C750	2402-001016	C-AL,SMD;33UF,20%,6.3V,-,TP,4.3X4.3X5.8	
C751	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
C752	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
C781	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
C782	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C783	2402-001009	C-AL,SMD;100UF,20%,6.3V,GP,TP,5.3X5.3X5	
C790	2402-001009	C-AL,SMD;100UF,20%,6.3V,GP,TP,5.3X5.3X5	
CN701	3711-003556	CONNECTOR-HEADER;BOX,50P,2R,0.5MM,STRAIGHT,AU	
CN702	3708-001141	CONNECTOR-FPC/FC/PIC;18P,0.8MM,SMD-A,SN	
CN703	B6012-0253	CONNECTOR-HOUSING;SD-52588-1890 WHT MOLEX	
IC701	1204-001118	IC-AUDIO PROCESSOR;AN2980FH,QFP,64P,-,PLASTIC,3V	
L701	2703-000397	INDUCTOR-SMD;33UH,10%,2.5X2X1.8MM	
L702	2703-000407	INDUCTOR-SMD;330UH,10%,3.2X2.5X2.2MM	
Q703	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70	
Q711	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q712	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q719	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180	
Q720	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
Q721	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70	
Q722	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70	
Q730	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70	
R701	2007-000122	R-CHIP;1.2KOHM,5%,1/16W,DA,TP,1608	
R702	2007-000122	R-CHIP;1.2KOHM,5%,1/16W,DA,TP,1608	
R703	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R707	2007-000450	R-CHIP;180OHM,5%,1/16W,DA,TP,1608	
R708	2007-000450	R-CHIP;180OHM,5%,1/16W,DA,TP,1608	
R714	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R715	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R720	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
R721	2007-000086	R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R722	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R723	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
R725	2007-000086	R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R726	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R727	2007-000086	R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R728	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R731	2007-000086	R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R732	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R733	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R735	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R736	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R737	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
R738	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
R740	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
R780	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
R781	2007-000819	R-CHIP;390KOHM,5%,1/16W,DA,TP,1608	
R783	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R784	2007-000819	R-CHIP;390KOHM,5%,1/16W,DA,TP,1608	
R785	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
R786	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R787	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R789	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R790	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R791	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R792	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R802	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R807	2007-000096	R-CHIP;30KOHM,5%,1/16W,DA,TP,1608	
R808	2007-000096	R-CHIP;30KOHM,5%,1/16W,DA,TP,1608	
EIS 1 PARTS (NO EIS : VP-L90)			
CC101	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CC102	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
RC101	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC102	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RC103	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC104	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
151	**AD90-10820V**	**ASSY-AUDIO BOARD;HI8,STEREO,EIS**	**VP-L95 ONLY**
VIDEO-SUB (Hi-8 : VP-L95)			
C351	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C352	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
C353	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C354	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C355	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C356	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C357	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C358	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C359	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C360	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C361	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C362	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C363	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C364	2203-001630	C-CERAMIC,CHIP;330NF,+80-20%,16V,Y5V,TP,1608,	
C365	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C366	2203-001656	C-CERAMIC,CHIP;470PF,5%,50V,CH,TP,1608,1.6MM	
C367	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C368	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C369	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C370	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C371	2203-000919	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,2012,	
C372	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C373	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
C375	2203-000357	C-CERAMIC,CHIP;150PF,5%,50V,NPO,TP,1608,-	
C376	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,NPO,TP,1608,-	
C377	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM	
CE351	2402-000112	C-AL,SMD;10UF,20%,16V,GP,TP,3X5.5,-	
CE352	*2402-000112*	*C-AL,SMD;10UF,20%,16V,GP,TP,3X5.5,-*	

Loc. No	Part No	Description and Specification	Remark
CE353	2402-000112	C-AL,SMD;10UF,20%,16V,GP,TP,3X5.5,-	
CE354	2402-000112	C-AL,SMD;10UF,20%,16V,GP,TP,3X5.5,-	
CE355	2402-000112	C-AL,SMD;10UF,20%,16V,GP,TP,3X5.5,-	
CE356	2402-000112	C-AL,SMD;10UF,20%,16V,GP,TP,3X5.5,-	
CE357	2402-000112	C-AL,SMD;10UF,20%,16V,GP,TP,3X5.5,-	
CE358	2404-000250	C-TA,CHIP;470NF,20%,25V,-,TP,3216,-	
CE359	2402-000181	C-AL,SMD;3.3UF,20%,35V,GP,TP,3X5.5MM,-	
IC351	1204-001122	IC-PAL/NTSC PROCESS;CXD2073Q,QFP,32P,-,PLASTIC,7	
IC352	1209-001053	IC-ETC, LINEAR;CXA2031R,QFP,48P,-,PLASTIC,5V,	
L351	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM	
L352	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM	
L353	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM	
L354	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM	
L355	2703-000401	INDUCTOR-SMD;1UH,10%,3.2X2.5X2.2MM	
L356	2703-000370	INDUCTOR-SMD;47UH,5%,2.5X2X1.8MM	
L357	2703-000370	INDUCTOR-SMD;47UH,5%,2.5X2X1.8MM	
NR362	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
Q351	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180	
Q352	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q353	0506-000148	TR-ARRAY;UMT2N,PNP,2,-50V,-40V,-100MA,3	
Q354	0506-000146	TR-ARRAY;UMH6N,NPN,2,150MW,UM6,TP,68	
R351	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R352	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R354	2007-000539	R-CHIP;200OHM,5%,1/16W,DA,TP,1608	
R355	2007-000539	R-CHIP;200OHM,5%,1/16W,DA,TP,1608	
R356	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R357	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R358	2007-000088	R-CHIP;7.5KOHM,5%,1/16W,DA,TP,1608	
R359	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R360	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
R361	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R364	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R365	2007-000072	R-CHIP;47OHM,5%,1/16W,DA,TP,1608	
R366	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R367	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R368	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
TC351	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
TCE31	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
TCE32	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
TCE34	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
TCE35	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
TIC31	B4012-0479	IC-LINEAR;NJM2284V-TE1 SSOP TAPE VIDEO SW	
TL351	2703-000396	INDUCTOR-SMD;10UH,10%,2.5X2X1.8MM	
TR354	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
XT351	2801-003272	CRYSTAL-SMD;14.321035MHZ,30PPM,28-AAA,S,10	
AUDIO PARTS (STEREO+EIS : VP-L95)			
C701	2404-000250	C-TA,CHIP;470NF,20%,25V,-,TP,3216,-	
C702	2404-000250	C-TA,CHIP;470NF,20%,25V,-,TP,3216,-	
C703	2402-001016	C-AL,SMD;33UF,20%,6.3V,-,TP,4.3X4.3X5.8	
C704	2402-000187	C-AL,SMD;220NF,20%,50V,-,TP,3X5.5MM,-	
C705	2402-000187	C-AL,SMD;220NF,20%,50V,-,TP,3X5.5MM,-	
C706	2402-001013	C-AL,SMD;47UF,20%,6.3V,GP,TP,5.3X1.5X5.	
C707	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
C708	2402-000187	C-AL,SMD;220NF,20%,50V,-,TP,3X5.5MM,-	

Loc. No	Part No	Description and Specification
C711	2402-000187	C-AL,SMD;220NF,20%,50V,-,TP,3X5.5MM,-
C712	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,1608,-
C713	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-
C716	2402-001013	C-AL,SMD;47UF,20%,6.3V,GP,TP,5.3X1.5X5.
C717	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP
C718	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C721	2203-001652	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,1608,
C722	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP
C723	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP
C725	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-
C726	2203-001103	C-CERAMIC,CHIP;6.8NF,10%,50V,X7R,TP,1608,-
C727	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C728	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C729	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C731	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C732	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-
C733	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-
C734	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-
C736	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP
C737	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP
C738	2203-001652	C-CERAMIC,CHIP;470NF,+80-20%,16V,Y5V,TP,1608,
C741	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C742	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP
C743	2402-001013	C-AL,SMD;47UF,20%,6.3V,GP,TP,5.3X1.5X5.
C746	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-
C747	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,1608,-
C748	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP
C749	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP
C750	2402-001016	C-AL,SMD;33UF,20%,6.3V,-,TP,4.3X4.3X5.8
C751	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-
C752	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-
C781	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-
C782	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
C783	2402-001009	C-AL,SMD;100UF,20%,6.3V,GP,TP,5.3X5.3X5
C784	2404-000250	C-TA,CHIP;470NF,20%,25V,-,TP,3216,-
C785	2404-000250	C-TA,CHIP;470NF,20%,25V,-,TP,3216,-
C790	2402-001009	C-AL,SMD;100UF,20%,6.3V,GP,TP,5.3X5.3X5
C808	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CN701	3711-003556	CONNECTOR-HEADER;BOX,50P,2R,0.5MM,STRAIGHT,AU
CN702	3708-001141	CONNECTOR-FPC/FC/PIC;18P,0.8MM,SMD-A,SN
CN703	B6012-0253	CONNECTOR-HOUSING;SD-52588-1890 WHT MOLEX
CN704	3708-001194	CONNECTOR-FPC/FC/PIC;14P,0.8MM,SMD-A,SN
IC701	1204-001118	IC-AUDIO PROCESSOR;AN2980FH,QFP,64P,-,PLASTIC,3V
L701	2703-000397	INDUCTOR-SMD;33UH,10%,2.5X2X1.8MM
L702	2703-000407	INDUCTOR-SMD;330UH,10%,3.2X2.5X2.2MM
Q703	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70
Q711	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180
Q712	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180
Q719	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180
Q723	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180
Q724	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70
Q725	0501-000218	TR-SMALL SIGNAL;2SC4081,NPN,200MW,SC-70,TP,180
Q726	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70
Q730	0504-000110	TR-DIGITAL;DTC114,NPN,200MW,10K-10K,SC-70
R701	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608

Loc. No	Part No	Description and Specification	Remark
R702	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R703	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R705	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R706	2007-000123	R-CHIP;1.5KOHM,5%,1/16W,DA,TP,1608	
R707	2007-000450	R-CHIP;180OHM,5%,1/16W,DA,TP,1608	
R708	2007-000450	R-CHIP;180OHM,5%,1/16W,DA,TP,1608	
R712	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R713	2007-000123	R-CHIP;1.5KOHM,5%,1/16W,DA,TP,1608	
R714	2007-001649	R-CHIP;4.7KOHM,0.5%,1/16W,DA,TP,1608	
R715	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R720	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
R721	2007-000086	R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R722	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R723	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
R725	2007-000086	R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R726	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R727	2007-000086	R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R728	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R731	2007-000086	R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
R732	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R733	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R735	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R736	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R737	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
R738	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
R740	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
R780	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
R781	2007-000819	R-CHIP;390KOHM,5%,1/16W,DA,TP,1608	
R783	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R784	2007-000819	R-CHIP;390KOHM,5%,1/16W,DA,TP,1608	
R785	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
R786	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R787	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R789	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R794	2007-000450	R-CHIP;180OHM,5%,1/16W,DA,TP,1608	
R795	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R796	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R797	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R798	2007-000450	R-CHIP;180OHM,5%,1/16W,DA,TP,1608	
R799	2007-000121	R-CHIP;820OHM,5%,1/16W,DA,TP,1608	
R800	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
R801	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R802	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R807	2007-000096	R-CHIP;30KOHM,5%,1/16W,DA,TP,1608	
R808	2007-000096	R-CHIP;30KOHM,5%,1/16W,DA,TP,1608	
R809	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	

EIS 1 PART (EIS : VP-L95)

Loc. No	Part No	Description and Specification	Remark
CC101	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CC102	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CE01	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CE02	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CE03	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CE04	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CE05	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	

Loc. No	Part No	Description and Specification	Remark
CE06	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CE07	2203-001402	C-CERAMIC,CHIP;220NF,+80-20%,16V,Y5V,TP,1608,	
CE08	2203-000372	C-CERAMIC,CHIP;15NF,10%,50V,X7R,1608,-,TP	
CE09	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CE10	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CE11	2203-001630	C-CERAMIC,CHIP;330NF,+80-20%,16V,Y5V,TP,1608,	
CE12	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM	
CE13	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CE14	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CE17	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CE18	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CE19	2203-001402	C-CERAMIC,CHIP;220NF,+80-20%,16V,Y5V,TP,1608,	
CE20	2203-000372	C-CERAMIC,CHIP;15NF,10%,50V,X7R,1608,-,TP	
CE21	2402-000237	C-AL,SMD;33UF,10%,10V,GP,TP,5X5.4,1.5MM	
CE22	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM	
CE23	2203-001630	C-CERAMIC,CHIP;330NF,+80-20%,16V,Y5V,TP,1608,	
CE24	2402-000237	C-AL,SMD;33UF,10%,10V,GP,TP,5X5.4,1.5MM	
ICE02	1201-000246	IC-OP AMP;3403,SOP,14P,173MIL,QUAD,20V/M	
ICE03	1201-000246	IC-OP AMP;3403,SOP,14P,173MIL,QUAD,20V/M	
ICE04	AC14-12007X	IC-LOGIC;TC4S66F,SSOP-5,5P	
ICE05	AC14-12007X	IC-LOGIC;TC4S66F,SSOP-5,5P	
LE01	2703-000127	INDUCTOR-SMD;10UH,5%,2.5X3.2X2.2MM	
RC101	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC102	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RC103	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RC104	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RE01	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
RE02	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE03	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE04	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE05	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
RE06	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
RE07	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
RE08	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE09	2007-001026	R-CHIP;560KOHM,5%,1/16W,DA,TP,1608	
RE10	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RE11	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
RE12	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RE14	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE15	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE16	2007-000094	R-CHIP;22KOHM,5%,1/16W,DA,TP,1608	
RE17	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE18	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
RE19	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
RE20	2007-001026	R-CHIP;560KOHM,5%,1/16W,DA,TP,1608	
RE21	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RE22	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
RE23	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RE24	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE25	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
RE90	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE91	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
130	**AD90-10816C**	**ASSY-MIC BOARD;STEREO**	**VP-L90 ONLY**
C761	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C762	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
C763	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C764	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C765	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C766	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C767	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,1608,1.6MM	
C768	2203-001656	C-CERAMIC,CHIP;470PF,5%,50V,CH,TP,1608,1.6MM	
C769	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,1608,1.6MM	
C770	2203-001143	C-CERAMIC,CHIP;68NF,10%,50V,X7R,TP,2012,2MM	
C771	2203-000140	C-CERAMIC,CHIP;1.5NF,10%,50V,X7R,1608,-,TP	
C772	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C773	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C774	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,1608,1.6MM	
C775	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C776	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
C777	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C778	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
C779	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
C780	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
C781	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C782	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C783	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,1608,1.6MM	
C784	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C785	2203-001143	C-CERAMIC,CHIP;68NF,10%,50V,X7R,TP,2012,2MM	
C786	2203-000140	C-CERAMIC,CHIP;1.5NF,10%,50V,X7R,1608,-,TP	
C787	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C788	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,1608,1.6MM	
C789	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,1608,1.6MM	
C790	2203-001656	C-CERAMIC,CHIP;470PF,5%,50V,CH,TP,1608,1.6MM	
C791	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-	
CN761	3708-001210	CONNECTOR-FPC/FC/PIC;18P,0.5MM,SMT-S,SN	
CN763	3711-000456	CONNECTOR-HEADER;3WALL,4P,1R,1.25MM,SMD-S,SN	
IC761	1201-001108	IC-AUDIO AMP;7471,SOP,36P,-,SINGLE,-,PLASTI	
JA761	AD37-20001A	JACK-PHONE;HSJ1456-012220,AU	
L761	2703-000401	INDUCTOR-SMD;1UH,10%,3.2X2.5X2.2MM	
L762	2703-000401	INDUCTOR-SMD;1UH,10%,3.2X2.5X2.2MM	
L763	2703-000401	INDUCTOR-SMD;1UH,10%,3.2X2.5X2.2MM	
L764	2703-000367	INDUCTOR-SMD;33UH,5%,2.5X2X1.8MM	
LE761	0601-000208	LED;CHIP,RED,1.5X2MM,660NM	
MF761	2101-000300	VR-ROTARY;50KOHM,30%,0.03W,TOP	
Q761	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
R760	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R761	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
R762	2007-000104	R-CHIP;150KOHM,5%,1/16W,DA,TP,1608	
R763	2007-000104	R-CHIP;150KOHM,5%,1/16W,DA,TP,1608	
R764	2007-000104	R-CHIP;150KOHM,5%,1/16W,DA,TP,1608	
R765	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	
R766	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R767	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R768	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
R769	2007-000099	R-CHIP;62KOHM,5%,1/16W,DA,TP,1608	
R770	2007-000096	R-CHIP;30KOHM,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
R771	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R772	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R773	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R774	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R775	2007-000087	R-CHIP;6.8KOHM,5%,1/16W,DA,TP,1608	
R776	2007-000087	R-CHIP;6.8KOHM,5%,1/16W,DA,TP,1608	
R777	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R778	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R779	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R780	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R781	2007-000096	R-CHIP;30KOHM,5%,1/16W,DA,TP,1608	
R782	2007-000099	R-CHIP;62KOHM,5%,1/16W,DA,TP,1608	
R783	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
R784	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R785	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R786	2007-000072	R-CHIP;47OHM,5%,1/16W,DA,TP,1608	
R798	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
R799	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R799	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
RE761	AD59-60060C	MODULE-REMOCON;-,GP1U261X,38KHZ,940NM,-,-,ST	
129	**AD90-10807S**	**ASSY-MIC BOARD;STEREO+EIS**	**VP-L95 ONLY**
C761	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
C762	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
C763	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C764	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C765	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C766	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C767	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,1608,1.6MM	
C768	2203-001656	C-CERAMIC,CHIP;470PF,5%,50V,CH,TP,1608,1.6MM	
C769	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,1608,1.6MM	
C770	2203-001143	C-CERAMIC,CHIP;68NF,10%,50V,X7R,TP,2012,2MM	
C771	2203-000140	C-CERAMIC,CHIP;1.5NF,10%,50V,X7R,1608,-,TP	
C772	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C773	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C774	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,1608,1.6MM	
C775	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C776	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
C777	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C778	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
C779	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
C780	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
C781	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C782	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C783	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,1608,1.6MM	
C784	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
C785	2203-001143	C-CERAMIC,CHIP;68NF,10%,50V,X7R,TP,2012,2MM	
C786	2203-000140	C-CERAMIC,CHIP;1.5NF,10%,50V,X7R,1608,-,TP	
C787	2203-001609	C-CERAMIC,CHIP;22NF,10%,16V,X7R,TP,1608,1.6MM	
C788	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,1608,1.6MM	
C789	2203-001634	C-CERAMIC,CHIP;33NF,10%,50V,X7R,TP,1608,1.6MM	
C790	2203-001656	C-CERAMIC,CHIP;470PF,5%,50V,CH,TP,1608,1.6MM	
C791	2404-000259	C-TA,CHIP;47UF,20%,6.3V,-,TP,6032,-	
CN761	3708-001210	CONNECTOR-FPC/FC/PIC;18P,0.5MM,SMT-S,SN	

Loc. No	Part No	Description and Specification	Remark
CN763	3711-000456	CONNECTOR-HEADER;3WALL,4P,1R,1.25MM,SMD-S,SN	
GY01	AC39-22018S	SENSOR;-,-,-,ENC-05DA,-	
GY02	AC39-22018T	SENSOR;-,-,-,ENC-05DB,-	
IC761	1201-001108	IC-AUDIO AMP;7471,SOP,36P,-,SINGLE,-,PLASTI	
L761	2703-000401	INDUCTOR-SMD;1UH,10%,3.2X2.5X2.2MM	
L762	2703-000401	INDUCTOR-SMD;1UH,10%,3.2X2.5X2.2MM	
L763	2703-000401	INDUCTOR-SMD;1UH,10%,3.2X2.5X2.2MM	
L764	2703-000367	INDUCTOR-SMD;33UH,5%,2.5X2X1.8MM	
LE761	0601-000208	LED;CHIP,RED,1.5X2MM,660NM	
MF761	2101-000300	VR-ROTARY;50KOHM,30%,0.03W,TOP	
Q761	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
R760	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R761	2007-000106	R-CHIP;220KOHM,5%,1/16W,DA,TP,1608	
R762	2007-000104	R-CHIP;150KOHM,5%,1/16W,DA,TP,1608	
R763	2007-000104	R-CHIP;150KOHM,5%,1/16W,DA,TP,1608	
R764	2007-000104	R-CHIP;150KOHM,5%,1/16W,DA,TP,1608	
R765	2007-000129	R-CHIP;27KOHM,5%,1/16W,DA,TP,1608	
R766	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R767	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R768	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
R769	2007-000099	R-CHIP;62KOHM,5%,1/16W,DA,TP,1608	
R770	2007-000096	R-CHIP;30KOHM,5%,1/16W,DA,TP,1608	
R771	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R772	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R773	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R774	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R775	2007-000087	R-CHIP;6.8KOHM,5%,1/16W,DA,TP,1608	
R776	2007-000087	R-CHIP;6.8KOHM,5%,1/16W,DA,TP,1608	
R777	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
R778	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
R779	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R780	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R781	2007-000096	R-CHIP;30KOHM,5%,1/16W,DA,TP,1608	
R782	2007-000099	R-CHIP;62KOHM,5%,1/16W,DA,TP,1608	
R783	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
R784	2007-000134	R-CHIP;33KOHM,5%,1/16W,DA,TP,1608	
R785	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R786	2007-000072	R-CHIP;47OHM,5%,1/16W,DA,TP,1608	
R798	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
R799	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R799	2007-000091	R-CHIP;12KOHM,5%,1/16W,DA,TP,1608	
RE761	AD59-60060C	MODULE-REMOCON;-,GP1U261X,38KHZ,940NM,-,-,ST	
TA761	AD37-20001A	JACK-PHONE;HSJ1456-012220,AU	
112	**AD90-10808G**	**ASSY-FUN A.E BOARD;S8C-NTSC,SV-SPJ(FUN A.E)**	
CN807	3711-002613	CONNECTOR-HEADER;3WALL,3P,1R,1.25MM,SMD-S,SN	
R825	2007-000454	R-CHIP;18KOHM,1%,1/10W,DA,TP,2012	
R826	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R827	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R830	2007-000754	R-CHIP;330KOHM,1%,1/10W,DA,TP,2012	
SW822	3406-000173	SWITCH-ROTARY;16VDC,100MA,10P10T,5.4MM	
SW823	63519-105-102	SW-TACT.CHIP;SKHMPT017A	
SW824	63519-105-102	SW-TACT.CHIP;SKHMPT017A	

Loc. No	Part No	Description and Specification	Remark
110	**AD90-10808H**	**ASSY-FUN VCR BOARD;S8C-NTSC,SV-SPJ(FUN VCR)**	
CN806	3711-002162	CONNECTOR-HEADER;3WALL,2P,1R,1.25MM,SMD-S,SN	
R820	2007-000454	R-CHIP;18KOHM,1%,1/10W,DA,TP,2012	
R821	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R822	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R823	2007-001124	R-CHIP;68KOHM,1%,1/10W,DA,TP,2012	
R824	2007-000277	R-CHIP;100KOHM,1%,1/10W,DA,TP,2012	
SW816	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW817	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW818	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW819	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW820	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4 9X1.5MM,S	
SW821	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
122		**ASSY-FUN MEN BOARD**	
	AD90-10816E	3" (INCH)	VP-L90 ONLY
	AD90-10808F	4" (INCH)	VP-L95 ONLY
C801	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C802	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C803	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C804	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C805	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
C807	2203-001559	C-CERAMIC,CHIP;100PF,5%,50V,NPO,TP,1608,1.6MM	
C808	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,TP,1608,-	
C809	2402-000125	C-AL,SMD;1UF,20%,50V,GP,TP,3X5.5MM,-	
C810	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C811	2402-001013	C-AL,SMD;47UF,20%,6.3V,GP,TP,5.3X1.5X5.	
C812	2402-000112	C-AL,SMD;10UF,20%,16V,GP,TP,3X5.5,-	
C813	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
C852	2203-001630	C-CERAMIC,CHIP;330NF,+80-20%,16V,Y5V,TP,1608,	
C853	2203-001630	C-CERAMIC,CHIP;330NF,+80-20%,16V,Y5V,TP,1608,	
C854	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-	
C855	2203-001402	C-CERAMIC,CHIP;220NF,+80-20%,16V,Y5V,TP,1608,	
C856	2203-001630	C-CERAMIC,CHIP;330NF,+80-20%,16V,Y5V,TP,1608,	
C857	2203-000372	C-CERAMIC,CHIP;15NF,10%,50V,X7R,1608,-,TP	
C858	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C859	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
C860	2203-000372	C-CERAMIC,CHIP;15NF,10%,50V,X7R,1608,-,TP	
C861	2402-001013	C-AL,SMD;47UF,20%,6.3V,GP,TP,5.3X1.5X5.	
C862	2402-001013	C-AL,SMD;47UF,20%,6.3V,GP,TP,5.3X1.5X5.	
C863	2402-001013	C-AL,SMD;47UF,20%,6.3V,GP,TP,5.3X1.5X5.	
C864	2203-001402	C-CERAMIC,CHIP,220NF,+80-20%,16V,Y5V,TP,1608,	
C865	2203-001402	C-CERAMIC,CHIP;220NF,+80-20%,16V,Y5V,TP,1608,	
C866	2402-001009	C-AL,SMD;100UF,20%,6.3V,GP,TP,5.3X5.3X5	
C867	2402-001009	C-AL,SMD;100UF,20%,6.3V,GP,TP,5.3X5.3X5	
C868	2402-001009	C-AL,SMD;100UF,20%,6.3V,GP,TP,5.3X5.3X5	
C869	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
C870	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
CN801	3708-001067	CONNECTOR-FPC/FC/PIC;40P,0.5MM,STRAIGHT,SN	
CN802	3711-000475	CONNECTOR-HEADER;3WALL,5P,1R,1.25MM,SMD-S,SN	
CN803	3708-001141	CONNECTOR-FPC/FC/PIC;18P,0.8MM,SMD-A,SN	
CN804	*3708-001130*	*CONNECTOR-FPC/FC/PIC;12P,0.5MM,SMD-S,SN*	

Loc. No	Part No	Description and Specification	Remark
CN805	3711-002613	CONNECTOR-HEADER;3WALL,3P,1R,1.25MM,SMD-S,SN	
CN851	3711-000541	CONNECTOR-HEADDER;4WALL,2P,1R,1.25MM,SMD,SN	
IC851	AC14-12013H	IC-LINEAR;BA7785FS,SSOP,TAPE SWITCHING	
IC852	AC14-12012B	IC;BA7046F-T1,SOP,-	
L851	2703-000409	INDUCTOR-SMD;47UH,10%,3.2X2.5X2.2MM	
L853	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
PH851	3722-000466	JACK-PHONE;1P/1C,PI3.5,AG,BLK,-	
Q851	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q881	0506-000150	TR-ARRAY;UMX2N,NPN,2,50V,40V,100MA,300M	
Q891	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
Q892	0501-000171	TR-SMALL SIGNAL;2SB1119,PNP,500MW,PCP,TP,100-5	
R806	2007-000277	R-CHIP;100KOHM,1%,1/10W,DA,TP,2012	
R807	2007-001124	R-CHIP;68KOHM,1%,1/10W,DA,TP,2012	
R808	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R809	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R810	2007-000454	R-CHIP;18KOHM,1%,1/10W,DA,TP,2012	
R811	2007-000454	R-CHIP;18KOHM,1%,1/10W,DA,TP,2012	
R812	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R813	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R814	2007-000454	R-CHIP;18KOHM,1%,1/10W,DA,TP,2012	
R815	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R816	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R817	2007-001124	R-CHIP;68KOHM,1%,1/10W,DA,TP,2012	
R818	2007-000277	R-CHIP;100KOHM,1%,1/10W,DA,TP,2012	
R851	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R852	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R853	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R854	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R855	2007-000458	R-CHIP;18KOHM,5%,1/16W,DA,TP,1608	
R856	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
R858	2007-000074	R-CHIP;100OHM,5%,1/16W,DA,TP,1608	
R859	2007-000074	R-CHIP;100OHM,5%,1/16W,DA,TP,1608	
R860	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R861	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R862	2007-000132	R-CHIP;180KOHM,5%,1/16W,DA,TP,1608	
R863	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R864	2007-007352	R-CHIP;130KOHM,1%,1/16W,DA,TP,1608	
R865	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R866	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
R867	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
R868	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
R869	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R870	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
R871	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
R872	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R873	2007-000076	R-CHIP;330OHM,5%,1/16W,DA,TP,1608	
R874	2007-000092	R-CHIP;15KOHM,5%,1/16W,DA,TP,1608	
R875	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
R881	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R882	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
R883	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R884	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R885	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R886	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
R887	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
R888	2007-000119	R-CHIP;560OHM,5%,1/16W,DA,TP,1608	
R891	2007-000077	R-CHIP;470OHM,5%,1/16W,DA,TP,1608	
R892	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
SW801	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW802	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW803	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW804	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW805	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW806	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW807	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW808	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW809	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW810	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW811	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW812	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW813	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW814	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW815	3404-001031	SWITCH-TACT;15V,20MA,100GF,4.9X4.9X1.5MM,S	
SW825	3403-000126	SWITCH-PUSH;12V,100MA,-,-	
154		**ASSY-CCD BOARD**	
	AD90-10816U	VP-L90	
	AD90-10816X	VP-L95	
CD01	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CD04	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CD05	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CD06	2203-000140	C-CERAMIC,CHIP;1.5NF,10%,50V,X7R,1608,-,TP	
CD07	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CD08	2404-000159	C-TA,CHIP;1UF,20%,35V,-,TP,3528,-	
CD09	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CD20	2404-000212	C-TA,CHIP;3.3UF,20%,25V,-,TP,3528,-	
CD21	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CD22	2404-000241	C-TA,CHIP;4.7UF,20%,25V,-,TP,6032,-	
CD23	2404-000302	C-TA,CHIP;22UF,20%,16V,-,TP,6032,4.4MM	
CD24	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CD25	2404-000208	C-TA,CHIP;3.3UF,20%,16V,-,TP,3528,-	
CD26	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CD27	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CD30	2404-000187	C-TA,CHIP;22UF,20%,10V,-,TP,6032,-	
CD31	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CD32	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CD33	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CND01	3708-001146	CONNECTOR-FPC/FC/PIC;22P,0.5MM,SMD-A,SN	
CND02	B6010-1815	CONNECTOR-WAFER;IL-WAA-40P-HF-HD-A1-E1000 WHT JA	
DD01	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DD02	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
ICD01	0605-001009	CCD;COLOR,DIP,14,400MIL,320K,7.3X4	VP-L90 ONLY
	0605-001005	CCD;COLOR,DIP,14P,400MIL,570K,4.85	VP-L95 ONLY
ICD02	1003-001056	IC-CLOCK DRIVER;CXD1267AN,SOP,20P,173MIL,SINGL	
LD20	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
LD21	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
LD30	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
LD31	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
QD01	0505-000180	FET-SILICON;2SK1070,N,-,50MA,-,150MW,SOT-2	

Loc. No	Part No	Description and Specification	Remark
QD02	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
QD03	0504-000113	TR-DIGITAL;DTC144EUA,NPN,200MW,47K-47K,SC	
RD01	2007-000125	R-CHIP;3.9KOHM,5%,1/16W,DA,TP,1608	
RD02	2007-000074	R-CHIP;100OHM,5%,1/16W,DA,TP,1608	
RD03	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
RD04	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RD05	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RD30	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RD31	2007-000098	R-CHIP;56KOHM,5%,1/16W,DA,TP,1608	
RD32	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RD36	2007-000098	R-CHIP;56KOHM,5%,1/16W,DA,TP,1608	
RD46	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
RD47	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
141	**AD90-10815R**	**ASSY-LCD BOARD;VP-L90,PAL,3,4**	
CL101	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CL102	2203-001222	C-CERAMIC,CHIP;820PF,10%,50V,X7R,TP,1608,-	
CL103	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CL104	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CL120	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
CL121	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CL122	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-	
CL130	2404-000130	C-TA,CHIP;10UF,20%,20V,-,TP,6032,-	
CL131	2404-000130	C-TA,CHIP;10UF,20%,20V,-,TP,6032,-	
CL133	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CL134	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CL135	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CL136	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CL137	2404-000112	C-TA,CHIP;100UF,20%,6.3V,-,TP,7343,-	
CL138	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CL140	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CL141	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CL142	2404-000133	C-TA,CHIP;10UF,20%,25V,-,TP,7343,-	
CL143	2404-000133	C-TA,CHIP;10UF,20%,25V,-,TP,7343,-	
CL144	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CL145	2404-000130	C-TA,CHIP;10UF,20%,20V,-,TP,6032,-	
CL146	2404-000130	C-TA,CHIP;10UF,20%,20V,-,TP,6032,-	
CL148	2301-001051	C-FILM,CHIP;56NF,5%,50V,TP,4.8X3.3X1.4,0.3	
CL150	2203-005233	C-CERAMIC,CHIP;27PF,5%,3KV,CH,TP,4520,-	
CL155	2404-000367	C-TA,CHIP;4.7UF,20%,6.3V,-,TP,3216,-	
CL157	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CL158	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CL160	2404-000112	C-TA,CHIP;100UF,20%,6.3V,-,TP,7343,-	
CL161	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CL162	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-	
CL201	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CL202	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CL203	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-	
CL204	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CL205	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CL206	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CL207	2404-000151	C-TA,CHIP;1UF,20%,16V,-,3216,-,TP	
CL208	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-	
CL209	2203-001103	C-CERAMIC,CHIP;6.8NF,10%,50V,X7R,TP,1608,-	

Loc. No	Part No	Description and Specification
CL210	2404-000167	C-TA,CHIP;2.2UF,20%,16V,-,TP,3216,-
CL211	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CL212	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CL213	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CL214	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CL215	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CL216	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CL217	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CL218	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CL219	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CL220	2404-000360	C-TA,CHIP;22UF,20%,16V,-,-,7343,-
CL221	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-
CL224	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-
CL225	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-
CL226	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-
CL227	2404-000128	C-TA,CHIP;10UF,20%,16V,-,TP,6032,-
CL228	2203-001121	C-CERAMIC,CHIP;680PF,10%,50V,X7R,1608,-,TP
CL229	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CL230	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CL231	2203-002220	C-CERAMIC,CHIP;56PF,5%,50V,CH,TP,1608,-
CL232	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CL233	2203-001657	C-CERAMIC,CHIP;47NF,+80-20%,16V,Y5V,TP,1608,1
CL234	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CL235	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CL236	2203-001697	C-CERAMIC,CHIP;82PF,5%,50V,CH,TP,1608,1.6MM
CL237	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CL239	2203-000257	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,1608,-
CL240	2404-000250	C-TA,CHIP;470NF,20%,25V,-,TP,3216,-
CL245	2203-000626	C-CERAMIC,CHIP;22PF,5%,50V,NPO,TP,1608,-
CL304	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-
CL305	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CL307	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CL308	2404-000120	C-TA,CHIP;10UF,20%,10V,-,TP,3528,-
CL309	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CL310	2203-001703	C-CERAMIC,CHIP;560PF,10%,50V,X7R,TP,1608,-
CL311	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CL312	2203-000440	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,1608,-
CL313	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CL314	2203-001697	C-CERAMIC,CHIP;82PF,5%,50V,CH,TP,1608,1.6MM
CL315	2404-000232	C-TA,CHIP;4.7UF,20%,10V,-,TP,3216,-
CL316	2404-000139	C-TA,CHIP;10UF,20%,6.3V,-,TP,3216,-
CL317	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CL318	2404-000128	C-TA,CHIP;10UF,20%,16V,-,TP,6032,-
CL319	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CL324	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CL325	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CL326	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CL327	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CL328	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,
CL329	2203-000491	C-CERAMIC,CHIP;2.2NF,10%,50V,X7R,TP,1608,-
CL331	2404-000360	C-TA,CHIP;22UF,20%,16V,-,-,7343,-
CL332	2404-000198	C-TA,CHIP;22UF,20%,6.3V,-,TP,3528,-
CNL102	3708-000402	CONNECTOR-FPC/FC/PIC;10P,0.8MM,ANGLE,SN
CNL201	3708-001184	CONNECTOR-FPC/FC/PIC;18P,0.8MM,SMD-A,SN
CNL301	3708-001181	CONNECTOR-FPC/FC/PIC;26P,0.5MM,SMD-A,SN

Loc. No	Part No	Description and Specification	Remark
DL102	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
DL103	0401-000171	DIODE-SWITCHING;MA111,80V,100MA,-,3NS,SM2	
DL104	0401-000171	DIODE-SWITCHING;MA111,80V,100MA,-,3NS,SM2	
DL107	0401-000171	DIODE-SWITCHING;MA111,80V,100MA,-,3NS,SM2	
DL302	0405-000123	DIODE-VARACTOR;1T369,34V,10NA,DSM,TP	
DL303	0401-000171	DIODE-SWITCHING;MA111,80V,100MA,-,3NS,SM2	
ICL101	1203-001081	IC-PWM CONTROLLER;3776,SOP,8P,209MIL,PLASTIC,2/1	
ICL201	AC14-12009X	IC;MB88346B,VSOP,-	
ICL202	AD11-12001E	IC-EEPROM;XL24C02,SOP,8P	
ICL203	AC14-12014X	IC-LINEAR;CXA1785R-T4,VQFP,-	
ICL301	1201-001050	IC-OP AMP;4556,SOP,8P,173MIL,18V,100DB,P	
ICL303	1003-001098	IC-LCD CONTROLLER;CM7013L2-T4,QFP,48P,-,SINGLE,1	
LL102	2703-000414	INDUCTOR-SMD;22UH,20%,7X7X3.2MM	
LL104	2703-000411	INDUCTOR-SMD;4.7UH,20%,3.2X2.5X2.2MM	
LL106	2703-000411	INDUCTOR-SMD;4.7UH,20%,3.2X2.5X2.2MM	
LL107	2703-000411	INDUCTOR-SMD;4.7UH,20%,3.2X2.5X2.2MM	
LL109	2703-000414	INDUCTOR-SMD;22UH,20%,7X7X3.2MM	
LL110	2703-000404	INDUCTOR-SMD;220UH,10%,3.2X2.5X2.2MM	
LL111	2703-000404	INDUCTOR-SMD;220UH,10%,3.2X2.5X2.2MM	
LL112	2703-000404	INDUCTOR-SMD;220UH,10%,3.2X2.5X2.2MM	
LL115	2703-000414	INDUCTOR-SMD;22UH,20%,7X7X3.2MM	
LL201	2703-000403	INDUCTOR-SMD;22UH,10%,3.2X2.5X2.2MM	
LL202	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LL204	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LL205	AC27-92001G	COIL-TRAP;4.43MHZ,56PF,303AN-K5031NK=P3,	
LL206	2703-000372	INDUCTOR-SMD;56UH,5%,2.5X2X1.8MM	
LL301	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LL302	2703-000365	INDUCTOR-SMD;15UH,5%,2.5X2X1.8MM	
LL303	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LL304	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
LL306	2703-000398	INDUCTOR-SMD;10UH,10%,3.2X2.5X2.2MM	
QL101	0504-000194	TR-DIGITAL;DTC124EU,NPN,200MW,22K-22K,SC-	
QL102	0504-000107	TR-DIGITAL;DTA144EU,PNP,200MW,47K-47K,SC-	
QL103	0504-000177	TR-DIGITAL;DTC143EUA,NPN,200MW,4.7K-4.7K,	
QL104	0501-000606	TR-SMALL SIGNAL;2SD1767Q,NPN,500MW,SOT-89,TP,1	
QL108	0502-000435	TR-POWER;2SD1898Q,NPN,500MW,SOT-89,TP,1	
QL109	0502-000435	TR-POWER;2SD1898Q,NPN,500MW,SOT-89,TP,1	
QL110	0506-000148	TR-ARRAY;UMT2N,PNP,2,-50V,-40V,-100MA,3	
QL203	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180	
QL204	0501-000162	TR-SMALL SIGNAL;2SA1576,PNP,200MW,SC-70,TP,180	
RL101	2007-000669	R-CHIP;2KOHM,1%,1/16W,DA,TP,1608	
RL102	2007-000265	R-CHIP;1.8KOHM,1%,1/16W,DA,TP,1608	
RL103	2007-000516	R-CHIP;2.7KOHM,1%,1/16W,DA,TP,1608	
RL104	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RL120	2007-000536	R-CHIP;200OHM,1%,1/16W,DA,TP,1608	
RL122	2007-000828	R-CHIP;39KOHM,1%,1/16W,DA,TP,1608	
RL124	2007-000869	R-CHIP;4.7KOHM,1%,1/16W,DA,TP,1608	
RL136	2007-000122	R-CHIP;1.2KOHM,5%,1/16W,DA,TP,1608	
RL137	2007-000122	R-CHIP;1.2KOHM,5%,1/16W,DA,TP,1608	
RL139	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
RL140	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
RL141	2007-000116	R-CHIP;120OHM,5%,1/16W,DA,TP,1608	
RL201	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RL204	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RL205	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
RL207	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RL208	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RL209	2007-001114	R-CHIP;680KOHM,5%,1/16W,DA,TP,1608	
RL210	2007-000133	R-CHIP;330KOHM,5%,1/16W,DA,TP,1608	
RL211	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RL212	2007-000643	R-CHIP;270OHM,5%,1/16W,DA,TP,1608	
RL215	2007-000455	R-CHIP;18KOHM,1%,1/16W,DA,TP,1608	
RL216	2007-001026	R-CHIP;560KOHM,5%,1/16W,DA,TP,1608	
RL217	2007-000939	R-CHIP;47KOHM,1%,1/16W,DA,TP,1608	
RL218	2007-000828	R-CHIP;39KOHM,1%,1/16W,DA,TP,1608	
RL219	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RL220	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RL221	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RL222	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RL223	2007-001139	R-CHIP;7.5KOHM,1%,1/16W,DA,TP,1608	
RL224	2007-000074	R-CHIP;100OHM,5%,1/16W,DA,TP,1608	
RL225	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RL226	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RL233	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RL234	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RL235	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RL236	2007-000074	R-CHIP;100OHM,5%,1/16W,DA,TP,1608	
RL237	2007-000074	R-CHIP;100OHM,5%,1/16W,DA,TP,1608	
RL238	2007-000074	R-CHIP;100OHM,5%,1/16W,DA,TP,1608	
RL239	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RL240	2007-000305	R-CHIP;10MOHM,5%,1/16W,DA,TP,1608	
RL241	2007-000087	R-CHIP;6.8KOHM,5%,1/16W,DA,TP,1608	
RL242	2007-000087	R-CHIP;6.8KOHM,5%,1/16W,DA,TP,1608	
RL243	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
RL244	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RL245	2007-000086	R-CHIP;5.6KOHM,5%,1/16W,DA,TP,1608	
RL246	2007-001179	R-CHIP;8.2KOHM,5%,1/16W,DA,TP,1608	
RL247	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RL248	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RL250	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RL251	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RL252	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RL253	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
RL254	2007-000123	R-CHIP;1.5KOHM,5%,1/16W,DA,TP,1608	
RL255	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
RL256	2007-000123	R-CHIP;1.5KOHM,5%,1/16W,DA,TP,1608	
RL257	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RL258	2007-000124	R-CHIP;2.2KOHM,5%,1/16W,DA,TP,1608	
RL259	2007-000075	R-CHIP;220OHM,5%,1/16W,DA,TP,1608	
RL261	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RL262	2007-001007	R-CHIP;51KOHM,1%,1/16W,DA,TP,1608	
RL263	2007-000651	R-CHIP;27KOHM,1%,1/16W,DA,TP,1608	
RL270	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RL271	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RL276	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RL302	A1020-0598	R-CHIP;RH 1/16 CS 123-F C1608	
RL303	2007-000052	R-CHIP;10KOHM,1%,1/16W,DA,TP,1608	
RL304	2007-000614	R-CHIP;24KOHM,1%,1/16W,DA,TP,1608	
RL305	2007-000979	R-CHIP;5.6KOHM,1%,1/16W,DA,TP,1608	
RL306	2007-000857	R-CHIP;4.3KOHM,1%,1/16W,DA,TP,1608	

Loc. No	Part No	Description and Specification	Remark
RL307	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RL308	2007-000100	R-CHIP;68KOHM,5%,1/16W,DA,TP,1608	
RL309	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RL310	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RL311	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RL312	2007-000100	R-CHIP;68KOHM,5%,1/16W,DA,TP,1608	
RL313	2007-000109	R-CHIP;1MOHM,5%,1/16W,DA,TP,1608	
RL314	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RL315	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RL316	2007-000100	R-CHIP;68KOHM,5%,1/16W,DA,TP,1608	
RL317	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
RL320	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RL321	2007-000805	R-CHIP;36KOHM,5%,1/16W,DA,TP,1608	
RL322	2007-000219	R-CHIP;1.2KOHM,1%,1/16W,DA,TP,1608	
RL323	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RL326	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RL327	2007-000772	R-CHIP;33KOHM,1%,1/16W,DA,TP,1608	
RL330	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
SWL101	3403-000126	SWITCH-PUSH;12V,100MA,-,-	
TL101	AD26-20120F	TRANS-CONVERTOR;DP,-,CLQ72(352UH)	
TL103	AD26-82001A	TRANS-INVERTER;-,5V,46.1KHZ,ETJIIK 59AM	
VRL101	2104-000115	VR-SMD;1KOHM,25%,0.15W,TOP	
VRL302	2104-000103	VR-SMD;100KOHM,25%,0.15W,TOP	
X201	2801-003126	CRYSTAL-SMD;4.433619MHZ,30PPM,28-ABN,16PF,	
195	**AD90-10810Q**	**ASSY-EVF BOARD;VP-L90,PAL**	
CE01	2203-000308	C-CERAMIC,CHIP;120PF,5%,50V,NPO,TP,1608,-	
CE02	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
CE03	2404-000112	C-TA,CHIP;100UF,20%,6.3V,-,TP,7343,-	
CE04	2203-000888	C-CERAMIC,CHIP;4.7NF,10%,50V,X7R,TP,1608,-	
CE05	2404-000175	C-TA,CHIP;2.2UF,20%,6.3V,-,3216,1.1MM,TP	
CE06	2306-000116	C-FILM,MPPF;100NF,5%,16V,TP,C3225,2.5MM	
CE07	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CE08	2404-000128	C-TA,CHIP;10UF,20%,16V,-,TP,6032,-	
CE09	2203-000357	C-CERAMIC,CHIP;150PF,5%,50V,NPO,TP,1608,-	
CE10	2402-000144	C-AL,SMD;3.3UF,20%,50V,GP,TP,4X5.4MM,-	
CE11	2203-000477	C-CERAMIC,CHIP;1UF,+80-20%,16V,Y5V,TP,2012,-	
CE12	2404-000112	C-TA,CHIP;100UF,20%,6.3V,-,TP,7343,-	
CE13	2404-000112	C-TA,CHIP;100UF,20%,6.3V,-,TP,7343,-	
CE14	2404-000112	C-TA,CHIP;100UF,20%,6.3V,-,TP,7343,-	
CE15	2309-000143	C-FILM,CHIP;3.9NF,5%,100V,TP,-,-	
CE16	2203-001556	C-CERAMIC,CHIP;100NF,+80-20%,25V,Y5V,TP,1608,	
CE17	2402-000144	C-AL,SMD;3.3UF,20%,50V,GP,TP,4X5.4MM,-	
CE18	2201-000911	C-CERAMIC,DISC;1.2NF,10%,1KV,Y5P,BK,10X5,5	
CNE01	3711-000862	CONNECTOR-HEADER;BOX,3P,1R,1.25MM,SMD-A,SN	
CNE02	3711-002173	CONNECTOR-HEADER;BOX,4P,1R,1.5,STRAIGHT,SN	
CNE03	AC03-12001B	SOCKET-CRT;SOCKET FINDER,PI10 40MM,-,-,-,	
DE01	0407-000151	DIODE-ARRAY;MA153,40V,100MA,C2-3,SOT-23,TP	
DE02	0401-000173	DIODE-SWITCHING;MA151K,40V,100MA,-,3NS,SOT-23	
DE03	0401-000166	DIODE-SWITCHING;MA158-TX,200V,100MA,-,-,CHIP	
FTB01	AC26-32001B	TRANS-FLYBACK;ECX-C2806D,0.6INCH,4.8V	
ICE01	AC14-12006W	IC-LINEAR;KA7007,SOP,-	
LE01	2703-000409	INDUCTOR-SMD;47UH,10%,3.2X2.5X2.2MM	
LE02	AC27-32001B	COIL-LINEARITY;230UH-15%,PI0.12,T,-,-	

Loc. No	Part No	Description and Specification	Remark
QE01	0501-000674	TR-SMALL SIGNAL;2SA1179,PNP,200MW,SOT-23,TP,90	
QE02	0501-000238	TR-SMALL SIGNAL;2SD968A,NPN,1W,SC-62,-,130-220	
QE03	0501-000674	TR-SMALL SIGNAL;2SA1179,PNP,200MW,SOT-23,TP,90	
RE01	2007-000637	R-CHIP;270KOHM,5%,1/16W,DA,TP,1608	
RE02	2007-000113	R-CHIP;33OHM,5%,1/16W,DA,TP,1608	
RE03	2007-000084	R-CHIP;4.7KOHM,5%,1/16W,DA,TP,1608	
RE04	2007-000107	R-CHIP;470KOHM,5%,1/16W,DA,TP,1608	
RE05	2007-000102	R-CHIP;100KOHM,5%,1/16W,DA,TP,1608	
RE06	2007-000097	R-CHIP;47KOHM,5%,1/16W,DA,TP,1608	
RE07	2007-000637	R-CHIP;270KOHM,5%,1/16W,DA,TP,1608	
RE08	2007-000074	R-CHIP;100OHM,5%,1/16W,DA,TP,1608	
RE09	2007-000695	R-CHIP;3.3OHM,5%,1/16W,DA,TP,1608	
RE10	2007-000079	R-CHIP;1.8KOHM,5%,1/16W,DA,TP,1608	
RE11	B1335-0002	THERMISTOR-CHIP;NTC CS 3216 3BH 471KC 470OHM/20D	
RE12	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RE13	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RE14	2007-000081	R-CHIP;2.7KOHM,5%,1/16W,DA,TP,1608	
RE15	2007-000965	R-CHIP;5.1KOHM,5%,1/16W,DA,TP,1608	
RE16	2007-000078	R-CHIP;1KOHM,5%,1/16W,DA,TP,1608	
RE17	2007-001056	R-CHIP;6.2KOHM,5%,1/16W,DA,TP,1608	
RE18	2007-000101	R-CHIP;82KOHM,5%,1/16W,DA,TP,1608	
RE19	2007-001179	R-CHIP;8.2KOHM,5%,1/16W,DA,TP,1608	
RE20	2007-000130	R-CHIP;39KOHM,5%,1/16W,DA,TP,1608	
RE21	2007-000070	R-CHIP;0OHM,5%,1/16W,DA,TP,1608	
RE22	2007-000082	R-CHIP;3.3KOHM,5%,1/16W,DA,TP,1608	
RE23	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
RE24	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
RE25	2007-000689	R-CHIP;3.3MOHM,5%,1/10W,DA,TP,2012	
RE26	2007-000689	R-CHIP;3.3MOHM,5%,1/10W,DA,TP,2012	
RE27	2007-000462	R-CHIP;18OHM,5%,1/10W,DA,TP,2012	
VRE01	2104-001014	VR-SMD;50KOHM,25%,0.15W,TOP	
VRE02	2104-001013	VR-SMD;220OHM,25%,0.15W,TOP	
VRE03	2104-000178	VR-SMD;1MOHM,30%,1/20W,TOP	

ACCESSORY PARTS

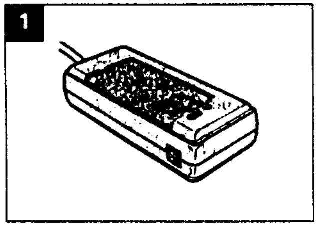
1		**ADAPTER-AC POWER**	
	AD44-30100D	AA-E4P	EURIPE
	AD44-30100J	AA-E4P	SEAU ONLY
	AD44-30100H	AA-E4P	SEUK(SESC) ONLY
C10	2306-000298	C-FILM,MPPF;220NF,20%,250V,TP,6.5X5.5X3MM,	
C11	2201-000808	C-CERAMIC,DISC;2.2NF,10%,400V,Y5P,TP,12X7.5,7	
C12	2201-000808	C-CERAMIC,DISC;2.2NF,10%,400V,Y5P,TP,12X7.5,7	
C13	2401-001567	C-AL;47UF,20%,400V,WT,-,18X20,10MM	
C14	2201-000808	C-CERAMIC,DISC;2.2NF,10%,400V,Y5P,TP,12X7.5,7	
C15	2201-000808	C-CERAMIC,DISC;2.2NF,10%,400V,Y5P,TP,12X7.5,7	
C16	2301-000140	C-FILM,PEF;10NF,10%,630V,BK,16.5X9.5X5.7X	
C17	2203-001537	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,2012,-	
C18	2401-002180	C-AL;2.2UF,20%,50V,GP,TP,5X11,5MM	
C19	2203-000840	C-CERAMIC,CHIP;390PF,5%,50V,NPO,TP,2012,-	
C20	2203-001576	C-CERAMIC,CHIP;150NF,+80-20%,50V,Z5U,TP,2012,	
C21	2401-001184	C-AL;33UF,20%,35V,GP,-,6X11,5MM	
C22	2401-002168	C-AL;100UF,20%,50V,GP,TP,10X12.5,5M	
C23	2203-000199	C-CERAMIC,CHIP;100NF,+80-20%,50V,Z5U,TP,2012,	

Loc. No	Part No	Description and Specification	Remark
C50	2401-001591	C-AL;47UF,20%,6.3V,GP,-,4X7,2.5MM	
C51	2203-001537	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,2012,-	
C52	2203-001537	C-CERAMIC,CHIP;1NF,10%,50V,X7R,TP,2012,-	
C53	2401-001878	C-AL;1000UF,20%,16V,GP,BK,10X20MM,5	
C54	2401-001374	C-AL;470UF,20%,16V,WT,TP,10X12.5,2.	
C55	2203-000199	C-CERAMIC,CHIP;100NF,+80-20%,50V,Z5U,TP,2012,	
C56	2203-000260	C-CERAMIC,CHIP;10NF,10%,50V,X7R,TP,2012,-	
C57	2401-001917	C-AL;1UF,20%,50V,-,TP,5X7MM,5	
C59	2401-001952	C-AL;4.7UF,20%,50V,-,TP,6.3X7,5	
C60	61453-131-105	C-CERAMIC.CHIP;GRM42-6Y5V105Z16 TAPG	
C61	2203-000199	C-CERAMIC,CHIP;100NF,+80-20%,50V,Z5U,TP,2012,	
C62	B1100-0674	C-CERAMIC,CHIP;CK 73 Y5V 16V T 685-Z C3225	
C64	2201-000913	C-CERAMIC,DISC;100NF,+80-20%,50V,Y5V,TP,6.5X3	
C65	2202-000780	C-CERAMIC,MLC-AXIAL;100NF,+80-20%,50V,Y5V,TP,3.5	
C66	2203-000199	C-CERAMIC,CHIP;100NF,+80-20%,50V,Z5U,TP,2012,	
C67	2203-000199	C-CERAMIC,CHIP;100NF,+80-20%,50V,Z5U,TP,2012,	
D10	0402-000386 ⚠	DIODE-BRIDGE;S1WB60,600V,1A,DIP-4	
D11	0402-000391	DIODE-RECTIFIER;ERA22-10,1000V,500MA,MSR	
D12	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
D13	0403-000646	DIODE-ZENER;RD20SB,20V,18.8-21.14V,200MW,M	
D14	0403-000648	DIODE-ZENER;RD4.7SB,4.7V,4.4-4.92,200MW,MI	
D15	0403-000647	DIODE-ZENER;RD24SB,24V,22.86-25.66V,200MW,	
D16	0402-000391	DIODE-RECTIFIER;ERA22-10,1000V,500MA,MSR	
D17	0402-000391	DIODE-RECTIFIER;ERA22-10,1000V,500MA,MSR	
D51	0404-000135	DIODE-SCHOTTKY;ESAC85M-009,90V,10A,TO-220,BK	
D52	0402-000165	DIODE-RECTIFIER;1N5819,40V,1A,DO-41,TP	
D53	0407-000114	DIODE-ARRAY;DAN202K,80V,100MA,CA2-3,SOT-23	
D54	0407-000116	DIODE-ARRAY;DAP202K,80V,100MA,CK2-3,SOT-23	
D55	0401-000170	DIODE-SWITCHING;MA110,40V,100MA,-,3NS,SM2	
D57	0403-000649	DIODE-ZENER;RD5.1S,5.1V,4.96-5.22V,200MW,M	
F10	B3065-0202 ⚠	FUSE;DEMKO FST 250V 1.25A 5X20MM S505 C HBC	
IC11	AC14-12011C ⚠	IC;FA5304S,SOP,8P TAPE	
IC12	AC13-22001B ⚠	IC-HYBRID;PC113(LY),-,DIP,-	
IC12	B4161-0037	PHOTO-COUPLER;TLP621-GR ST	
IC51	1201-000203	IC-OP AMP;3414,SOP,8P,300MIL,DUAL,-,PLAS	
IC52	AC14-12006R	IC;TK11640N,TO-92S,3P TAPE	
IC53	AD09-12001F ⚠	IC-MICOM;TMP47C241N,STICK,28P	
J51	B3040-0068 ⚠	JACK-DC;PI3 HEC0740-01-010 3P	
L10	AC27-32001F ⚠	COIL-LINE FILTER;BSF-2123,20MH,2OHM,ST,-	
L11	A1247-0053	FILTER-EMI BEAD;BFS3565A0L SB 100OHM/100MHZ-90OH	
L51	2702-000112	INDUCTOR-RADIAL;10UH,5%,6X6.4MM	
L52	AC27-12001F	COIL-CHOKE;100UH,J,-,-,-,100UH-J RA 1KHZ	
LED51	B4150-0287	LED-DISPLAY;LN086WP38 ORG/GRN PI1.8	
PWR01	AC39-12022M	POWER-CORD;CP2,KJ-0201,BLK,YH396-32V,1.83	
Q10	0505-001044 ⚠	FET-SILICON;SSS3N80,N,800V,1.8A,5OHM,35W,T	
Q51	0502-000399	TR-POWER;2SB1127S,PNP,1W,TO-126,BK,140-	
Q52	62129-101-110	TRANSISTOR.CHIP;KSR 1102 (REEL)	
Q53	0502-000431	TR-POWER;2SB1203S,PNP,1W,IPAK,TP,140-28	
Q54	62129-101-110	TRANSISTOR.CHIP;KSR 1102 (REEL)	
Q55	0504-000158	TR-DIGITAL;KSR2104,PNP,200MW,47K-47K,SOT-	
Q56	0504-000158	TR-DIGITAL;KSR2104,PNP,200MW,47K-47K,SOT-	
Q57	0504-000158	TR-DIGITAL;KSR2104,PNP,200MW,47K-47K,SOT-	
R01	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R02	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R03	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	

Loc. No	Part No	Description and Specification
R04	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012
R05	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216
R06	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216
R10	2001-000474	R-CARBON;2.7MOHM,5%,1/4W,AA,TP,2.4X6.4M
R12	A1014-0079	R-CEMENT;RWC 2W I 3R3-J ST ABCO
R13	2001-001000	R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM
R14	2001-001000	R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM
R15	2007-001212	R-CHIP;82KOHM,5%,1/8W,DA,TP,3216
R16	2001-001000	R-CARBON;82KOHM,5%,1/8W,AA,TP,1.8X3.2MM
R17	2003-000307	R-METAL OXIDE;47KOHM,5%,2W,AD,TP,6X16MM
R19	2003-000111	R-METAL OXIDE;0.47OHM,5%,1W,AD,TP,4.3X12MM
R20	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012
R21	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012
R22	2007-000248	R-CHIP;1.5MOHM,5%,1/10W,DA,TP,2012
R24	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012
R25	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012
R51	2007-000312	R-CHIP;10OHM,5%,1/8W,DA,TP,3216
R52	2007-000515	R-CHIP;2.7KOHM,1%,1/10W,DA,TP,2012
R53	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012
R54	2007-000639	R-CHIP;270OHM,1%,1/10W,DA,TP,2012
R55	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012
R56	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012
R57	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012
R58	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012
R59	2007-000361	R-CHIP;12OHM,5%,1/10W,DA,TP,2012
R60	2007-000928	R-CHIP;470OHM,1%,1/10W,DA,TP,2012
R61	2007-000218	R-CHIP;1.2KOHM,1%,1/10W,DA,TP,2012
R62	2007-000868	R-CHIP;4.7KOHM,1%,1/10W,DA,TP,2012
R63	2007-000868	R-CHIP;4.7KOHM,1%,1/10W,DA,TP,2012
R64	2007-000658	R-CHIP;27OHM,5%,1/10W,DA,TP,2012
R65	2003-000102	R-METAL OXIDE;0.1OHM,5%,1W,AD,TP,4.3X12MM
R66	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012
R67	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012
R68	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012
R69	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012
R70	B1004-0442	R-METAL OXIDE;RS 3W N 43-J ERG3SJ430H
R71	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012
R72	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012
R73	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012
R74	B1004-0442	R-METAL OXIDE;RS 3W N 43-J ERG3SJ430H
R75	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012
R76	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012
R77	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012
R78	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012
R79	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012
R80	2007-000822	R-CHIP;390OHM,5%,1/10W,DA,TP,2012
R81	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012
R82	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012
R83	2007-000822	R-CHIP;390OHM,5%,1/10W,DA,TP,2012
R84	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012
R85	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012
R86	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012
R87	2003-000146	R-METAL OXIDE;100OHM,5%,1W,AD,TP,4.3X12MM
R90	2007-000950	R-CHIP;47OHM,5%,1/8W,DA,TP,3216
R91	2007-000950	R-CHIP;47OHM,5%,1/8W,DA,TP,3216

Loc. No	Part No	Description and Specification	Remark
R92	2007-000950	R-CHIP;47OHM,5%,1/8W,DA,TP,3216	
R93	2007-000950	R-CHIP;47OHM,5%,1/8W,DA,TP,3216	
R94	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R95	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R96	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R97	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
SW51	3404-000239	SWITCH-TACT;15V,20MA,130+-40GF,6X6MM,-	
T10	AC26-80001F ⚠	TRANS-POWER;EI25X19,AC90/260V,50HZ,-	
W10	3711-000178	CONNECTOR-HEADER;1WALL,2P,1R,3.96MM,STRAIGHT,SN	
XT51	64539-102-012	CERAMIC RESONATOR;FCR 4.0MC5	
2	**AD59-10373A**	**UNIT-BATTERY PACK;NC-120P,6V 1200MAH(PAL)**	
	AD59-10371A	**UNIT-BATTERY PACK;NH-170 (DENMARK(NSI), SWEDEN(SESAB) ONLY)**	
3	**AD59-10375A**	**UNIT-BATTERY PACK;NC-240P**	
4	**AC39-42001R**	**CABLE-A/V;PVC,-,-,3P,-,-,-**	
5	**AC39-42001Z**	**CABLE-S-VHS;4P,1.5MT,Hi-8 (VP-L95) ONLY**	
6	**65219-0031-00**	**SOFT-CASE**	
7	**AD59-10346A**	**Hi-8MM CASSETTE TAPE**	
	AC46-12001D	**NORMAL 8MM CASSETTE TAPE**	
8	**AC43-12002G**	**BATTERY LITHIUM;CR2025-**	
9	**AD39-42001Y**	**CABLE-DC**	
10	**AD59-10379A**	**UNIT-REMOCON;RM-A1,(PAL)**	
11	**AC59-92002V**	**RF-UNIT;RF-E1P**	
12	**AC59-92003E**	**RF-UNIT;RF-E2P**	
13	**3722-001027**	**JACK-RCA;PI7.5,-,AU,BLK,-**	
14	**AD63-10210A**	**STRAP-SHOULDER;-,LEATHER,T1.5,1280X10,D-GRAT,**	

ACCESSORY

1


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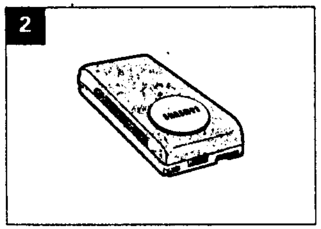

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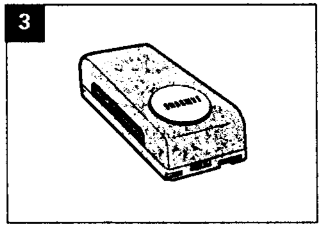

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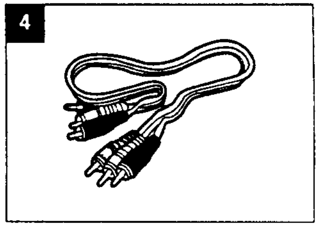

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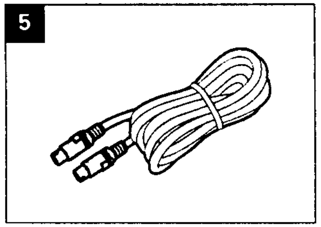

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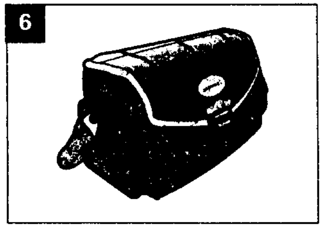

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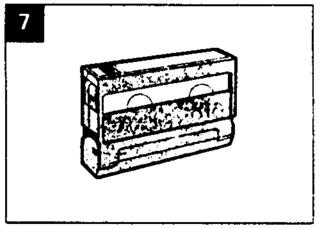

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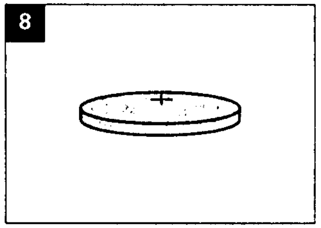

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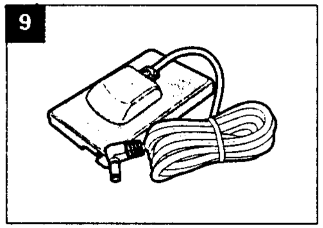

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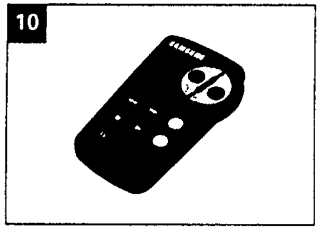

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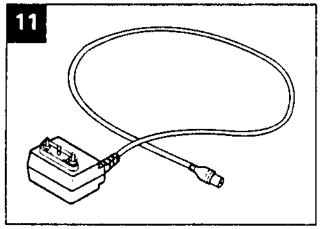

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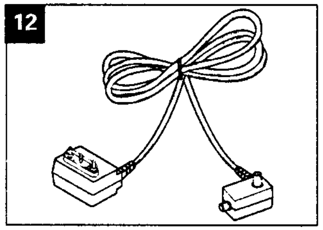

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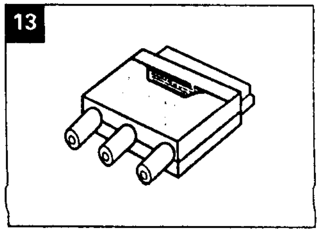

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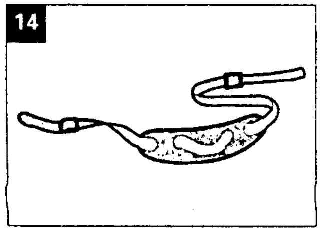


Note : The accessories may be different by buyer.

8. Block Diagrams

Page

8-1 Overall Block Diagram ---------- 8-2

8-2 DC/DC Converter ---------- 8-3

8-3 System Control ---------- 8-4

8-4 Drum Servo ---------- 8-5

8-5 Capstan Servo ---------- 8-6

8-6 Video Playback ---------- 8-7

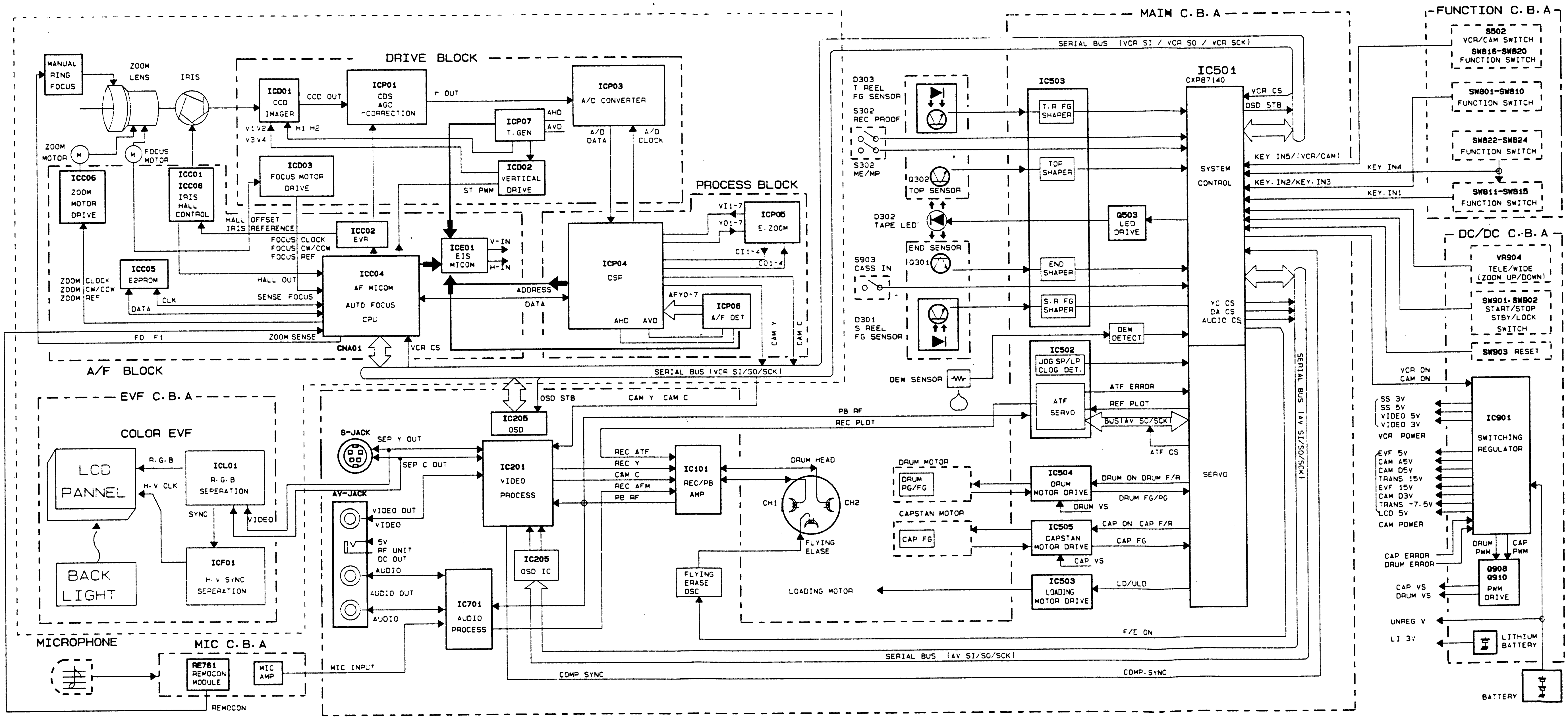
8-7 VCR Record ---------- 8-8

8-8 Camera Record ---------- 8-9

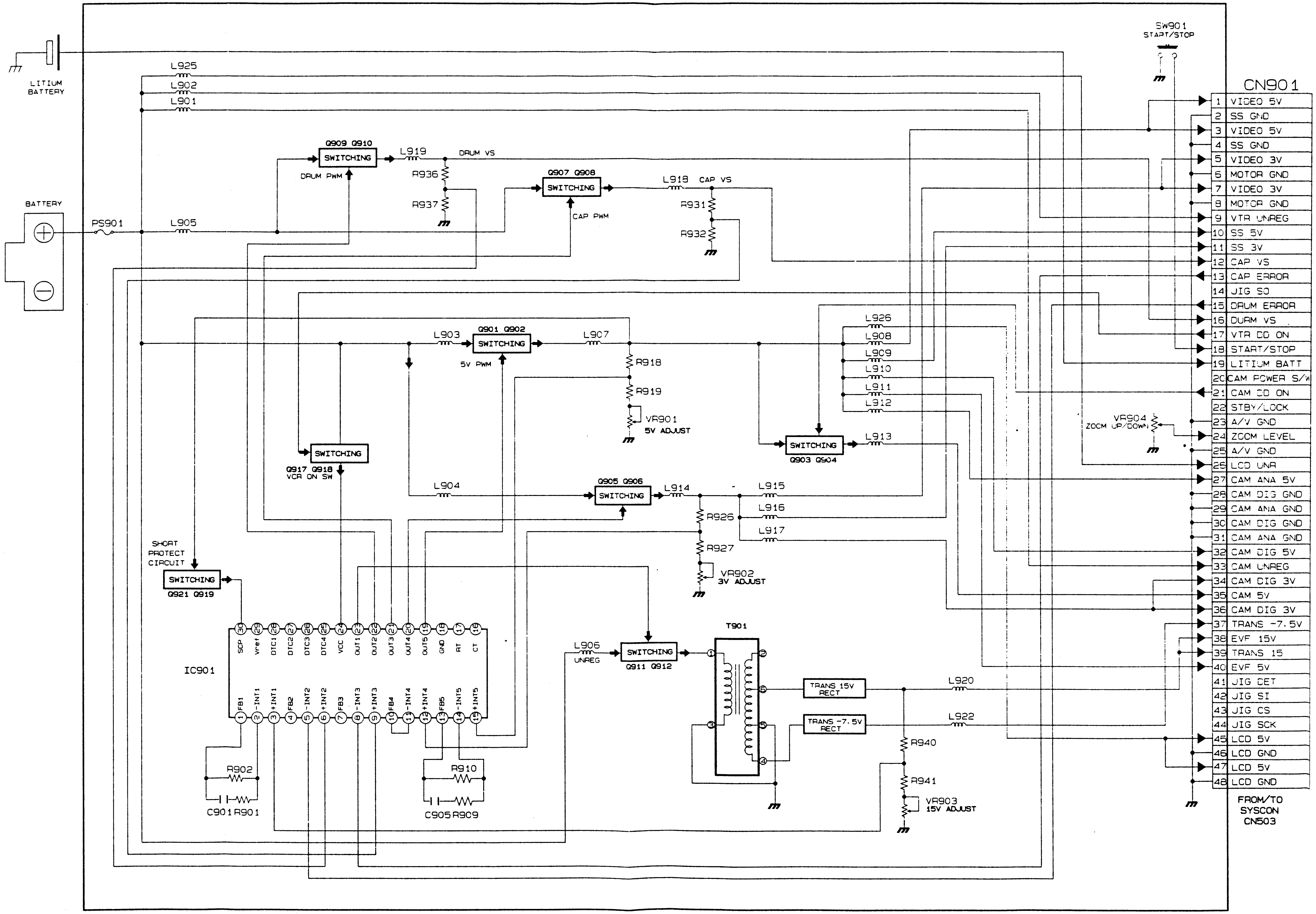
8-9 Audio/MIC ---------- 8-10

8-10 Camera ---------- 8-11

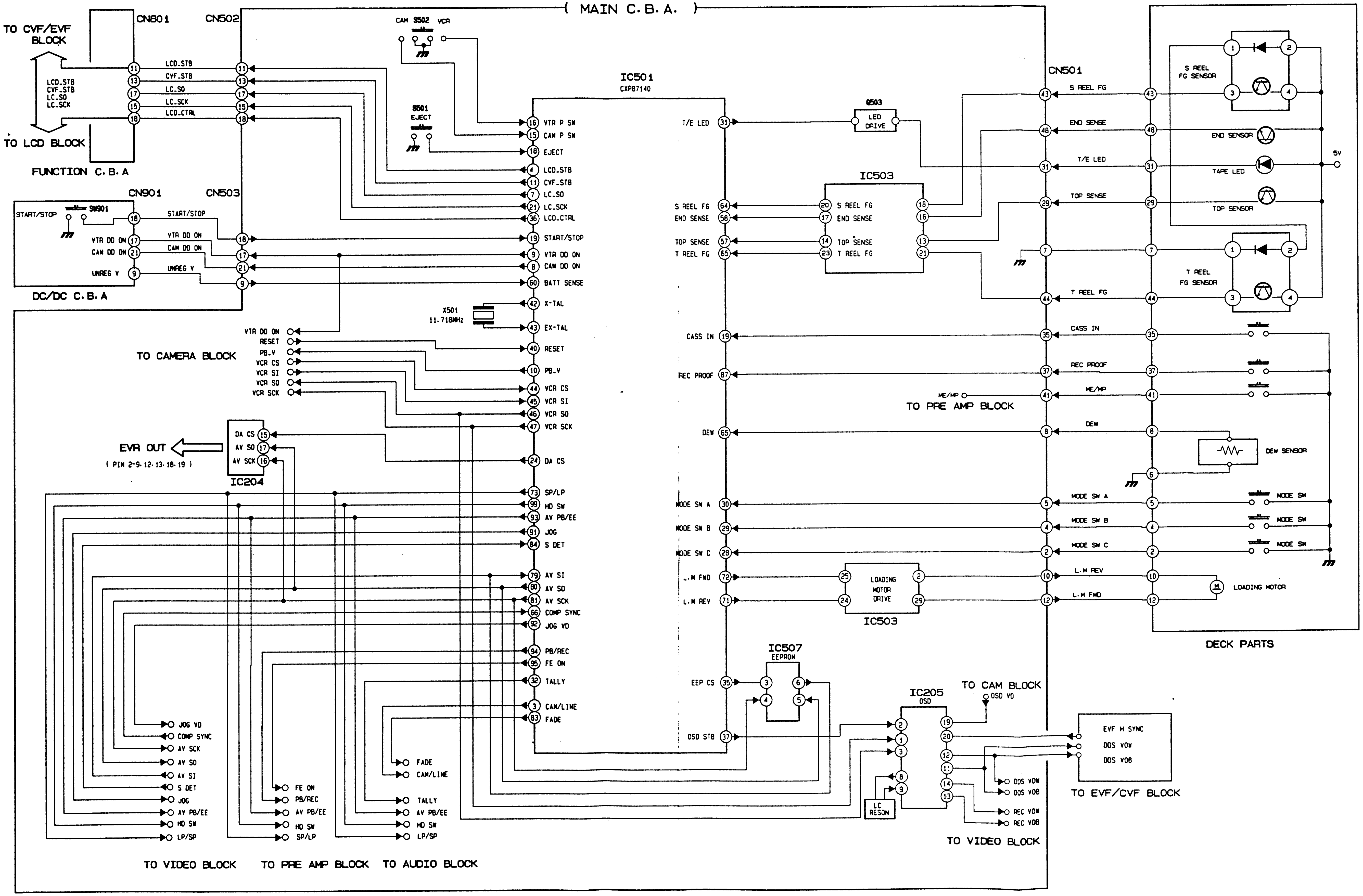
8-1 Overall Block Diagram


DRIVE BLOCK
MANUAL RING FOCUS
ZOOM LENS
IRIS
ICD01 CCD IMAGER
CCD OUT
ICP01 CDS AGC γ-CORRECTION
r OUT
ICP03 A/D CONVERTER
ICP07 T.GEN
AHD
AVD
A/D DATA
A/D CLOCK
ICD02 VERTICAL DRIVE
ST PWM
ICD03 FOCUS MOTOR DRIVE
ZOOM MOTOR
FOCUS MOTOR
ICC06 ZOOM MOTOR DRIVE
ICC01 ICC08 IRIS HALL CONTROL
HALL OFFSET
IRIS REFERENCE
ICC02 EVR
FOCUS CLOCK
FOCUS CW/CCW
FOCUS REF
ICC05 E2PROM
ZOOM CLOCK
ZOOM CW/CCW
ZOOM REF
DATA
CLK
HALL OUT
SENSE FOCUS
ICC04 AF MICOM AUTO FOCUS CPU
FO F1
ZOOM SENSE
CNA01
VCR CS
A/F BLOCK
ICE01 EIS MICOM
V-IN
H-IN
ADDRESS
DATA
PROCESS BLOCK
ICP04 DSP
ICP05 E.ZOOM
ICP06 A/F DET
VI1-7
YO1-7
CI1-4
CO1-4
AFYO-7
AHD AVD
CAM Y
CAM C
SERIAL BUS (VCR SI/SO/SCK)
EVF C.B.A
COLOR EVF
LCD PANNEL
BACK LIGHT
ICL01 R.G.B SEPERATION
R.G.B
H.V CLK
SYNC
VIDEO
ICF01 H.V SYNC SEPERATION
OSD STB
CAM Y CAM C
IC205 OSD
S-JACK
SEP Y OUT
SEP C OUT
AV-JACK
VIDEO OUT
VIDEO
5V
RF UNIT
DC OUT
AUDIO
AUDIO OUT
AUDIO
IC201 VIDEO PROCESS
IC205 OSD IC
IC701 AUDIO PROCESS
REC ATF
REC Y
CAM C
REC AFM
PB RF
IC101 REC/PB AMP
PB RF
REC PLOT
DRUM HEAD
CH1
CH2
FLYING ELASE
FLYING ERASE OSC
LOADING MOTOR
MICROPHONE
MIC C.B.A
RE761 REMOCON MODULE
MIC AMP
MIC INPUT
REMOCON
MAIN C.B.A
SERIAL BUS (VCR SI / VCR SO / VCR SCK)
D303 T REEL FG SENSOR
S302 REC PROOF
S302 ME/MP
Q302 TOP SENSOR
D302 TAPE LED
END SENSOR
Q301
S903 CASS IN
D301 S REEL FG SENSOR
DEW SENSOR
IC503
T.R FG SHAPER
TOP SHAPER
END SHAPER
S.R FG SHAPER
Q503 LED DRIVE
DEW DETECT
IC502 JOG SP/LP CLOG DET.
ATF SERVO
ATF ERROR
REF PLOT
BUS(AV SO/SCK)
ATF CS
IC501 CXP87140
VCR CS
OSD STB
SYSTEM CONTROL
KEY IN5/(VCR/CAM)
KEY IN2/KEY IN3
VC CS
DA CS
AUDIC CS
SERVO
SERIAL BUS (AV SI/SO/SCK)
DRUM MOTOR
DRUM PG/FG
IC504 DRUM MOTOR DRIVE
DRUM ON DRUM F/R
DRUM FG/PG
DRUM VS
CAPSTAN MOTOR
CAP FG
IC505 CAPSTAN MOTOR DRIVE
CAP ON CAP F/R
CAP FG
CAP VS
IC503 LOADING MOTOR DRIVE
LD/ULD
F/E ON
SERIAL BUS (AV SI/SO/SCK)
COMP SYNC
COMP. SYNC
FUNCTION C.B.A
S502 VCR/CAM SWITCH
SW816-SW820 FUNCTION SWITCH
SW801-SW810 FUNCTION SWITCH
SW822-SW824 FUNCTION SWITCH
KEY IN4
KEY IN1
SW811-SW815 FUNCTION SWITCH
DC/DC C.B.A
VR904 TELE/WIDE (ZOOM UP/DOWN)
SW901, SW902 START/STOP STBY/LOCK SWITCH
SW903 RESET
VCR ON
CAM ON
SS 3V
SS 5V
VIDEO 5V
VIDEO 3V
VCR POWER
EVF 5V
CAM A5V
CAM D5V
TRANS 15V
EVF 15V
CAM D3V
TRANS -7.5V
LCD 5V
CAM POWER
IC901 SWITCHING REGULATOR
CAP ERROR
DRUM ERROR
CAP VS
DRUM VS
DRUM PWM
CAP PWM
Q908 Q910 PWM DRIVE
UNREG V
LI 3V
LITHIUM BATTERY
BATTERY

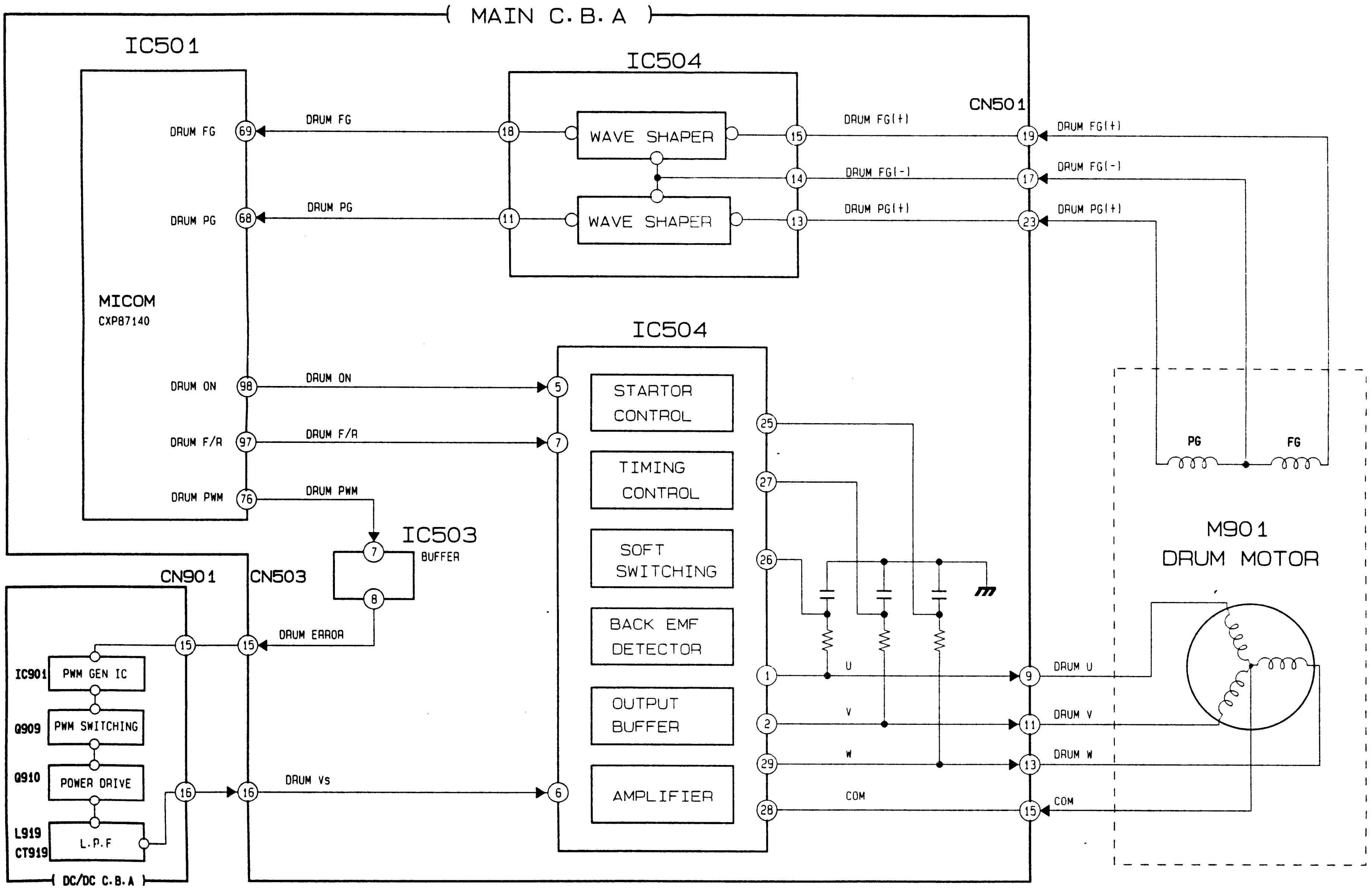
8-2 DC/DC Converter


LITIUM BATTERY
BATTERY
PS901
L925
L902
L901
L905
Q909 Q910
SWITCHING
DRUM PWM
L919
DRUM VS
R936
R937
Q907 Q908
SWITCHING
CAP PWM
L918 CAP VS
R931
R932
L903
Q901 Q902
SWITCHING
5V PWM
L907
R918
R919
VR901
5V ADJUST
SWITCHING
Q917 Q918
VCR ON SW
L926
L908
L909
L910
L911
L912
SWITCHING
Q903 Q904
L913
L904
Q905 Q906
SWITCHING
L914
L915
L916
L917
R925
R927
VR902
3V ADJUST
SHORT PROTECT CIRCUIT
SWITCHING
Q921 Q919
IC901
SCP
Vref
DTC1
DTC2
DTC3
DTC4
VCC
OUT1
OUT2
OUT3
OUT4
OUT5
GND
RT
CT
FB1
-INT1
+INT1
FB2
-INT2
+INT2
FB3
-INT3
+INT3
FB4
-INT4
+INT4
FB5
-INT5
+INT5
R902
C901 R901
R910
C905 R909
L906
UNREG
SWITCHING
Q911 Q912
T901
TRANS 15V RECT
TRANS -7.5V RECT
L920
L922
R940
R941
VR903
15V ADJUST
SW901
START/STOP
VR904
ZOOM UP/DOWN
CN901
1 VIDEO 5V
2 SS GND
3 VIDEO 5V
4 SS GND
5 VIDEO 3V
6 MOTOR GND
7 VIDEO 3V
8 MOTOR GND
9 VTR UNREG
10 SS 5V
11 SS 3V
12 CAP VS
13 CAP ERROR
14 JIG SO
15 DRUM ERROR
16 DURM VS
17 VTR DD ON
18 START/STOP
19 LITIUM BATT
20 CAM POWER S/W
21 CAM DD ON
22 STBY/LOCK
23 A/V GND
24 ZOOM LEVEL
25 A/V GND
26 LCD UNR
27 CAM ANA 5V
28 CAM DIG GND
29 CAM ANA GND
30 CAM DIG GND
31 CAM ANA GND
32 CAM DIG 5V
33 CAM UNREG
34 CAM DIG 3V
35 CAM 5V
36 CAM DIG 3V
37 TRANS -7.5V
38 EVF 15V
39 TRANS 15
40 EVF 5V
41 JIG CET
42 JIG SI
43 JIG CS
44 JIG SCK
45 LCD 5V
46 LCD GND
47 LCD 5V
48 LCD GND
FROM/TO SYSCON CN503

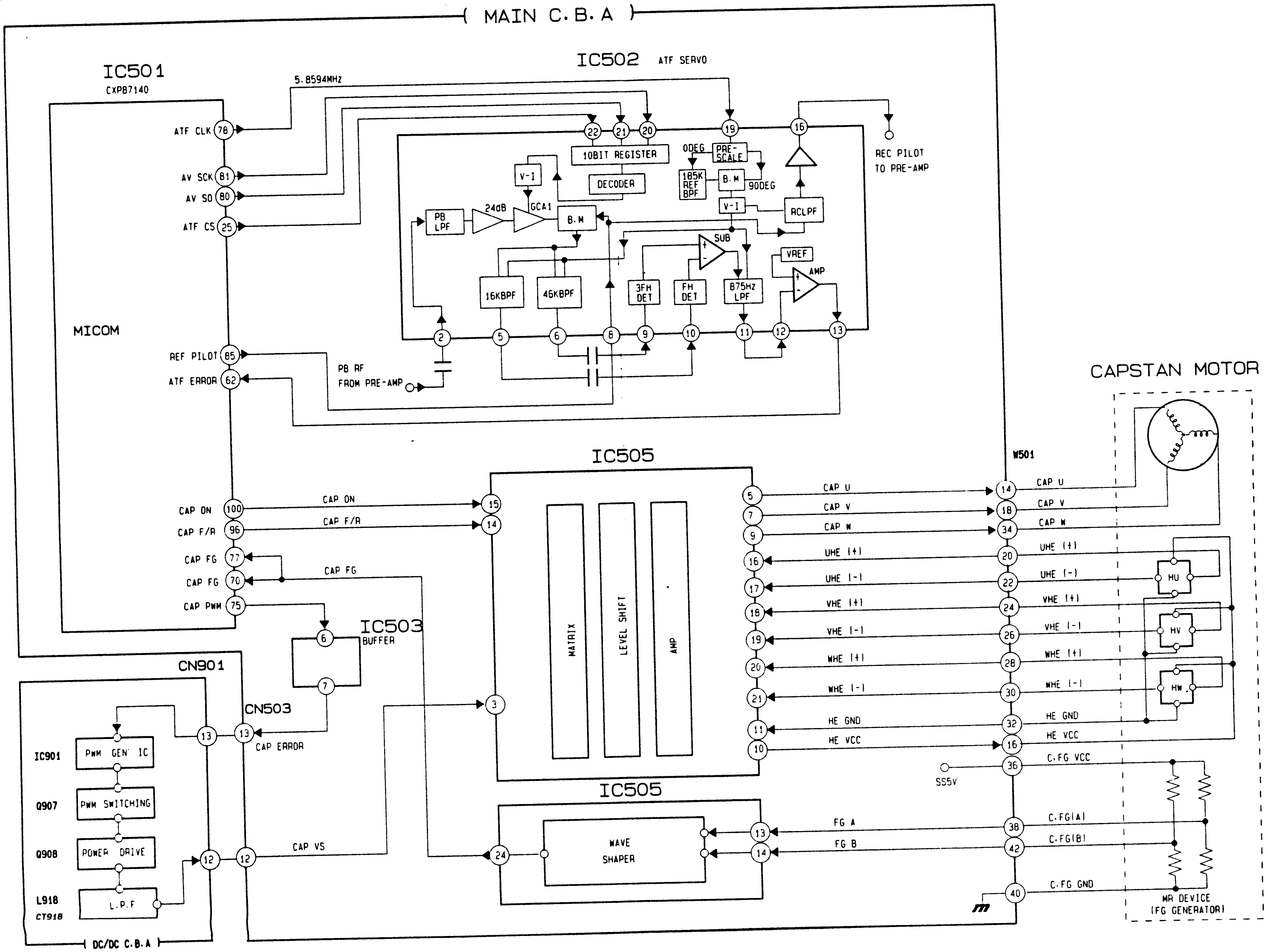
8-3 System Control


MAIN C. B. A.
TO CVF/EVF BLOCK
TO LCD BLOCK
FUNCTION C. B. A
CN801
CN502
LCD_STB
CVF_STB
LC_SO
LC_SCK
LCD_CTRL
CN901
CN503
START/STOP
SW901
VTR DD ON
CAM DD ON
UNREG V
DC/DC C. B. A
CAM S502 VCR
S501 EJECT
IC501
CXP87140
VTR P SW
CAM P SW
EJECT
START/STOP
BATT SENSE
X-TAL
EX-TAL
X501 11.718MHz
RESET
PB_V
VCR CS
VCR SI
VCR SO
VCR SCK
TO CAMERA BLOCK
DA CS
AV SO
AV SCK
IC204
EVR OUT
(PIN 2-9. 12. 13. 18. 19)
SP/LP
HD SW
AV PB/EE
JOG
S DET
AV SI
COMP SYNC
JOG VD
PB/REC
FE ON
TALLY
CAM/LINE
FADE
LP/SP
TO VIDEO BLOCK
TO PRE AMP BLOCK
TO AUDIO BLOCK
T/E LED
Q503
LED DRIVE
IC503
S REEL FG
END SENSE
TOP SENSE
T REEL FG
CASS IN
REC PROOF
ME/MP
TO PRE AMP BLOCK
DEW
MODE SW A
MODE SW B
MODE SW C
L.M FWD
L.M REV
LOADING MOTOR DRIVE
IC507
EEPROM
EEP CS
OSD STB
IC205
OSD
LC RESON
TO CAM BLOCK
OSD VD
EVF H SYNC
DOS VOW
DOS VOB
TO EVF/CVF BLOCK
DDS VOW
DDS VOB
REC VOW
REC VOB
TO VIDEO BLOCK
CN501
S REEL FG SENSOR
END SENSOR
TAPE LED
5V
TOP SENSOR
T REEL FG SENSOR
DEW SENSOR
MODE SW
LOADING MOTOR
DECK PARTS

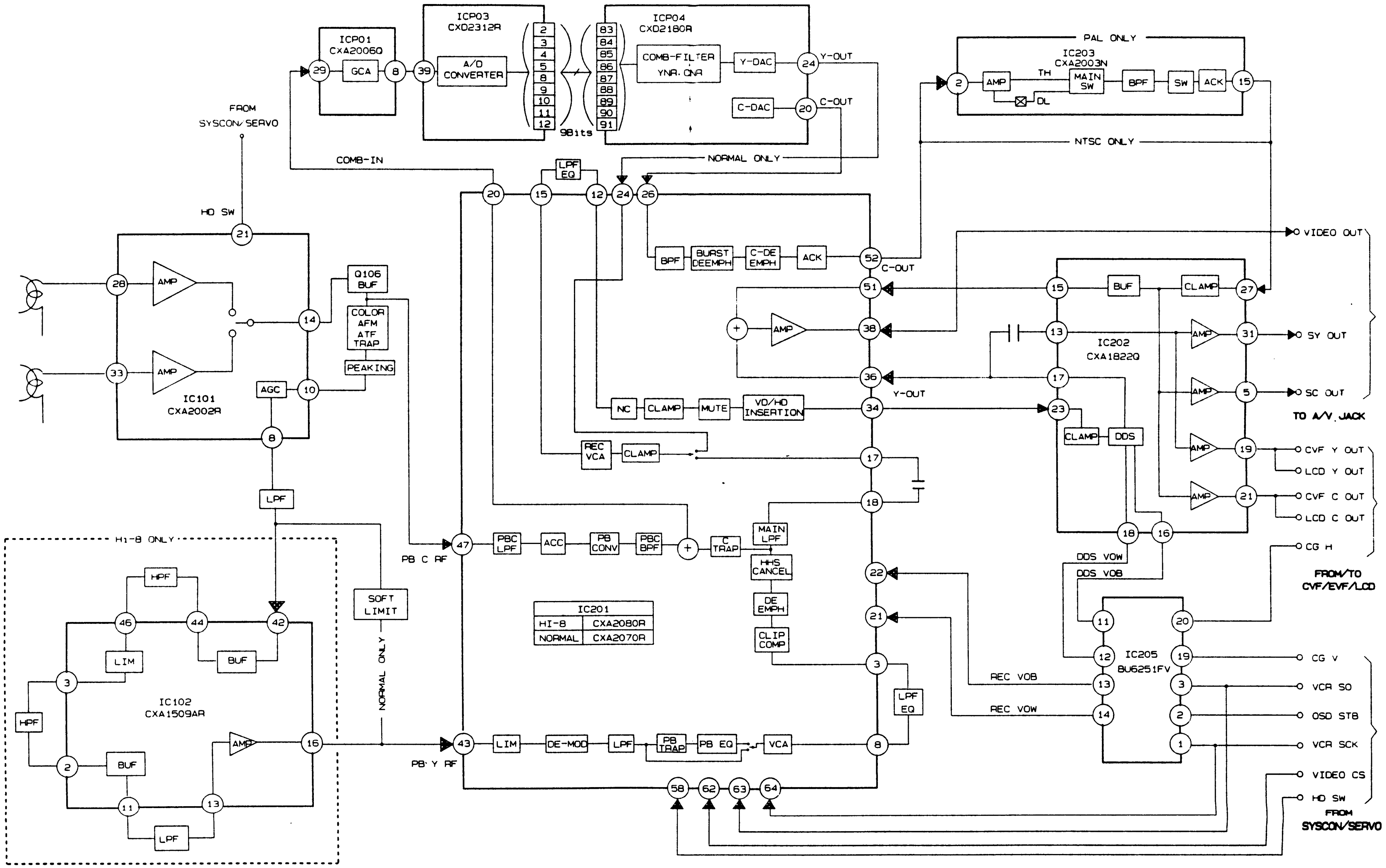
8-4 Drum Servo


MAIN C.B.A
IC501
MICOM
CXP87140
DRUM FG
DRUM PG
DRUM ON
DRUM F/R
DRUM PWM
IC504
WAVE SHAPER
WAVE SHAPER
DRUM FG(+)
DRUM FG(-)
DRUM PG(+)
CN501
IC504
STARTOR CONTROL
TIMING CONTROL
SOFT SWITCHING
BACK EMF DETECTOR
OUTPUT BUFFER
AMPLIFIER
IC503
BUFFER
CN901
CN503
DRUM ERROR
IC901
PWM GEN IC
Q909
PWM SWITCHING
Q910
POWER DRIVE
L919
CT919
L.P.F
DC/DC C.B.A
DRUM Vs
U
V
W
COM
DRUM U
DRUM V
DRUM W
PG
FG
M901
DRUM MOTOR

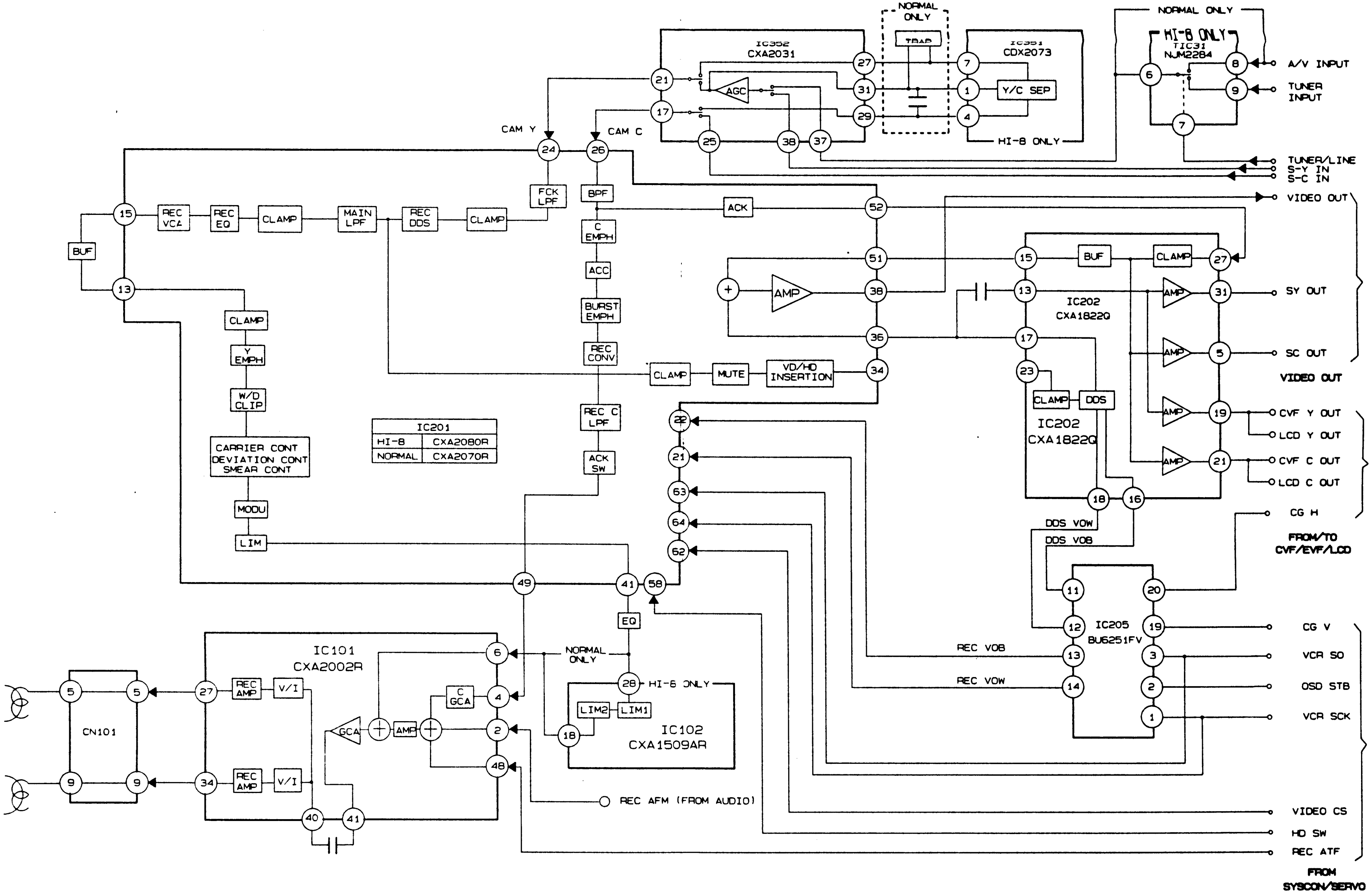
8-5 Capstan Servo


MAIN C.B.A
IC501
CXP87140
MICOM
ATF CLK
AV SCK
AV SO
ATF CS
REF PILOT
ATF ERROR
5.8594MHZ
IC502
ATF SERVO
10BIT REGISTER
DECODER
V-I
PB LPF
24dB
GCA1
B.M
0DEG
PRE-SCALE
185K REF BPF
B.M
90DEG
V-I
ACLPF
SUB
VREF
AMP
16KBPF
46KBPF
3FH DET
FH DET
875Hz LPF
REC PILOT TO PRE-AMP
PB RF FROM PRE-AMP
IC505
MATRIX
LEVEL SHIFT
AMP
CAP ON
CAP F/R
CAP FG
CAP FG
CAP PWM
IC503
BUFFER
CN901
CN503
CAP ERROR
IC901
PWM GEN IC
Q907
PWM SWITCHING
Q908
POWER DRIVE
L918
CT918
L.P.F
DC/DC C.B.A
CAP VS
IC505
WAVE SHAPER
FG A
FG B
S5.5V
W501
CAP U
CAP V
CAP W
UHE (+)
UHE (-)
VHE (+)
VHE (-)
WHE (+)
WHE (-)
HE GND
HE VCC
C.FG VCC
C.FG(A)
C.FG(B)
C.FG GND
HU
HV
HW
CAPSTAN MOTOR
MR DEVICE (FG GENERATOR)

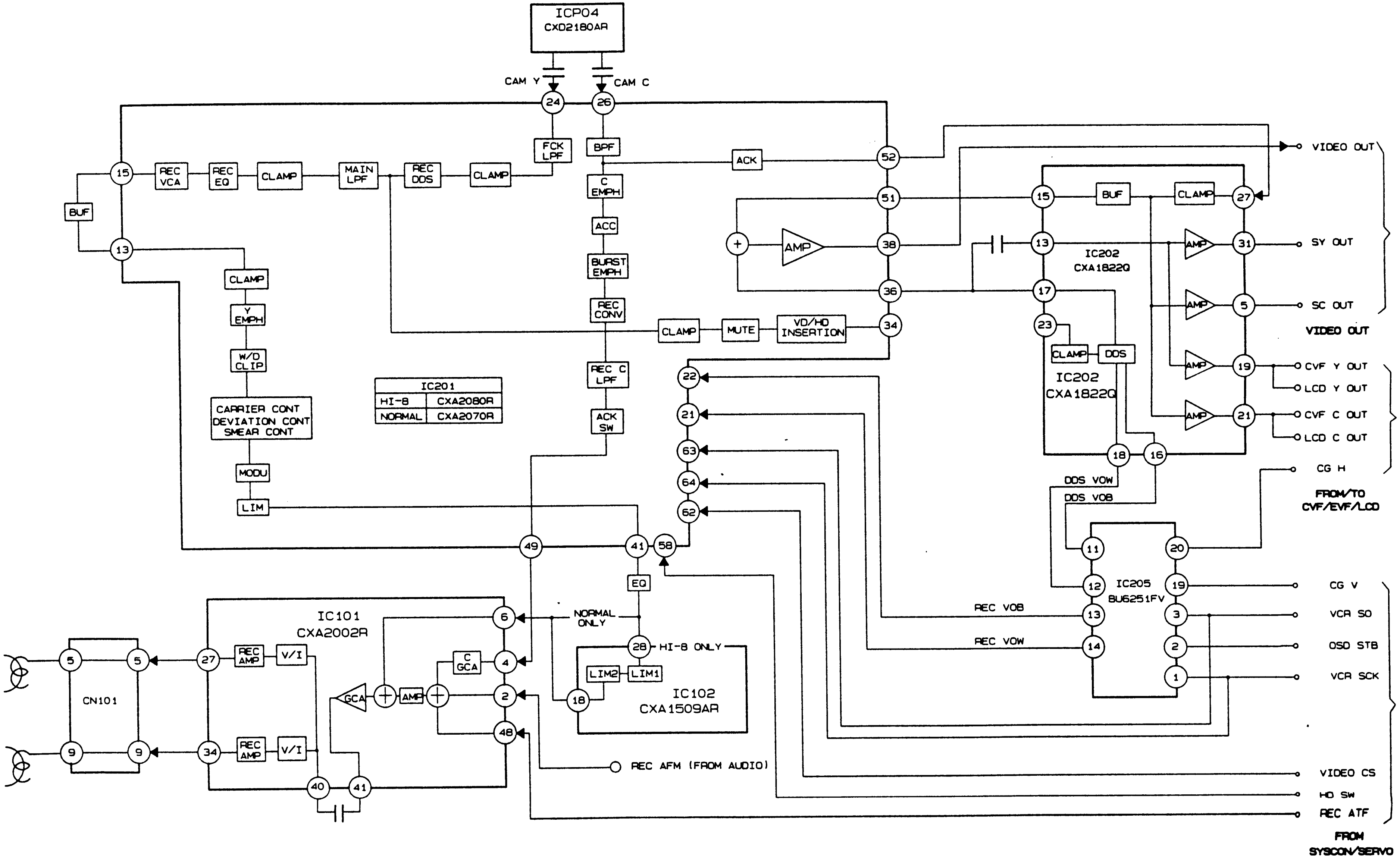
8-6 Video Playback


ICP01
CXA2006Q
GCA
29
8
ICP03
CXD2312R
A/D CONVERTER
39
2
3
4
5
8
9
10
11
12
9Bits
ICP04
CXD2180R
COMB-FILTER
YNR. CNR
83
84
85
86
87
88
89
90
91
Y-DAC
C-DAC
24
20
Y-OUT
C-OUT
FROM SYSCON/SERVO
COMB-IN
NORMAL ONLY
LPF EQ
HD SW
21
IC101
CXA2002R
28
33
AMP
AMP
14
10
8
AGC
Q106 BUF
COLOR AFM ATF TRAP
PEAKING
LPF
HI-8 ONLY
IC102
CXA1509AR
HPF
HPF
46
44
42
LIM
BUF
3
2
BUF
AMP
16
11
13
LPF
SOFT LIMIT
NORMAL ONLY
PB C RF
PB Y RF
47
43
20
15
12
24
26
BPF
BURST DEEMPH
C-DE EMPH
ACK
52
C-OUT
51
38
36
Y-OUT
34
17
18
22
21
3
8
AMP
+
NC
CLAMP
MUTE
VD/HD INSERTION
REC VCA
CLAMP
PBC LPF
ACC
PB CONV
PBC BPF
+
C TRAP
MAIN LPF
HHS CANCEL
DE EMPH
CLIP COMP
LPF EQ
IC201
HI-8 CXA2080R
NORMAL CXA2070R
LIM
DE-MOD
LPF
PB TRAP
PB EQ
VCA
58
62
63
64
PAL ONLY
IC203
CXA2003N
2
AMP
TH
MAIN SW
BPF
SW
ACK
15
DL
NTSC ONLY
IC202
CXA1822Q
15
13
17
23
BUF
CLAMP
27
AMP
AMP
AMP
AMP
31
5
19
21
CLAMP
DDS
18
16
DDS VOW
DDS VOB
VIDEO OUT
SY OUT
SC OUT
TO A/V JACK
CVF Y OUT
LCD Y OUT
CVF C OUT
LCD C OUT
CG H
FROM/TO CVF/EVF/LCD
IC205
BU6251FV
11
12
13
14
20
19
3
2
1
REC VOB
REC VOW
CG V
VCR SO
OSD STB
VCR SCK
VIDEO CS
HD SW
FROM SYSCON/SERVO

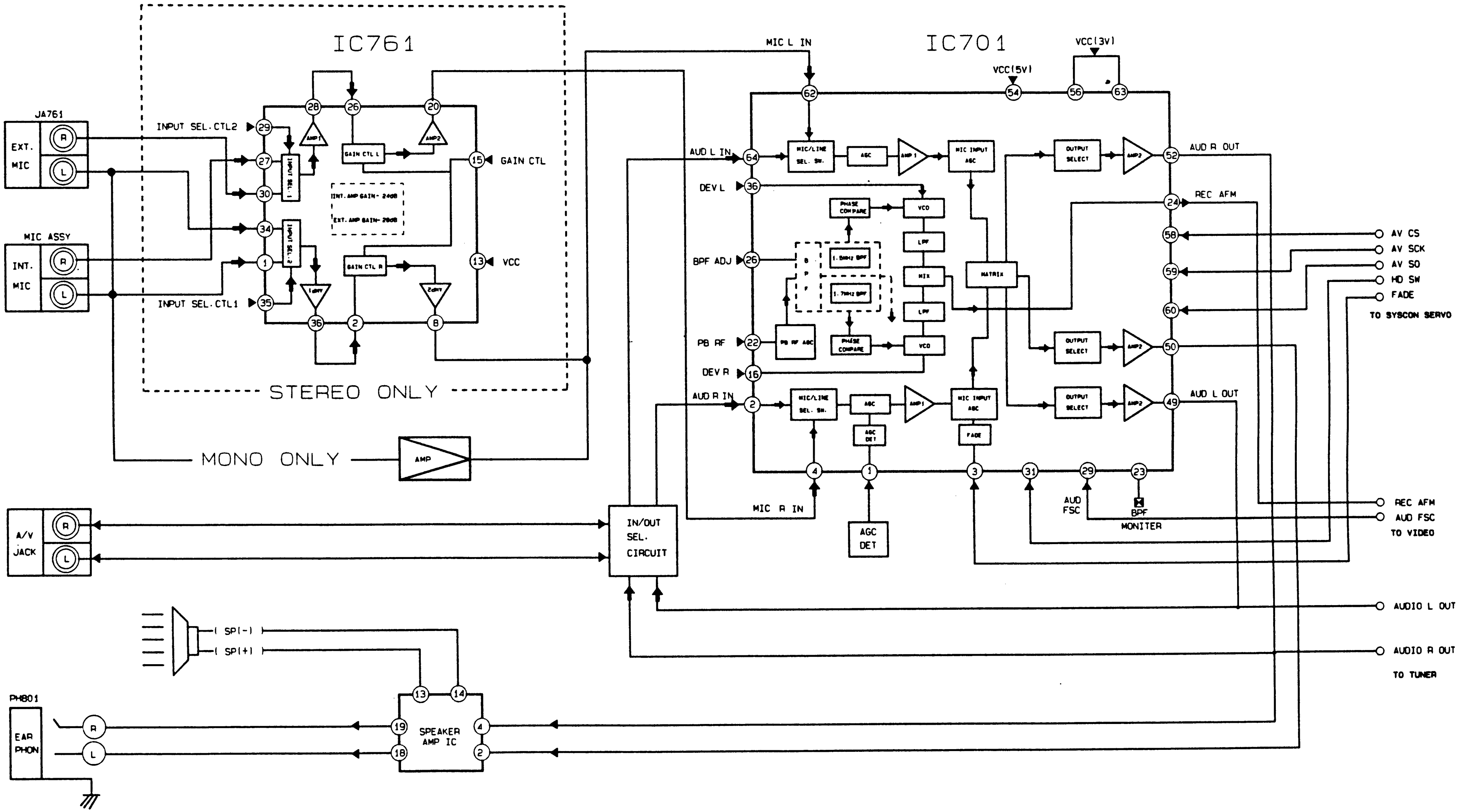
8-7 VCR Record


NORMAL ONLY
TRAP
IC352
CXA2031
AGC
IC351
CDX2073
Y/C SEP
HI-8 ONLY
NORMAL ONLY
HI-8 ONLY
IC31
NJM2284
A/V INPUT
TUNER INPUT
TUNER/LINE
S-Y IN
S-C IN
VIDEO OUT
CAM Y
CAM C
BUF
REC VCA
REC EQ
CLAMP
MAIN LPF
REC DDS
CLAMP
FCK LPF
BPF
C EMPH
ACC
BURST EMPH
REC CONV
REC C LPF
ACK SW
ACK
CLAMP
Y EMPH
W/D CLIP
CARRIER CONT
DEVIATION CONT
SMEAR CONT
MODU
LIM
IC201
HI-8 CXA2080R
NORMAL CXA2070R
AMP
CLAMP
MUTE
VD/HD INSERTION
BUF
CLAMP
IC202
CXA1822Q
AMP
SY OUT
SC OUT
VIDEO OUT
CLAMP
DDS
IC202
CXA1822Q
CVF Y OUT
LCD Y OUT
CVF C OUT
LCD C OUT
CG H
FROM/TO CVF/EVF/LCD
DDS VOW
DDS VOB
IC205
BU6251FV
CG V
VCR SO
OSD STB
VCR SCK
REC VOB
REC VOW
EQ
NORMAL ONLY
HI-8 ONLY
LIM2
LIM1
IC102
CXA1509AR
IC101
CXA2002R
REC AMP
V/I
C GCA
GCA
AMP
CN101
REC AFM (FROM AUDIO)
VIDEO CS
HD SW
REC ATF
FROM SYSCON/SERVO

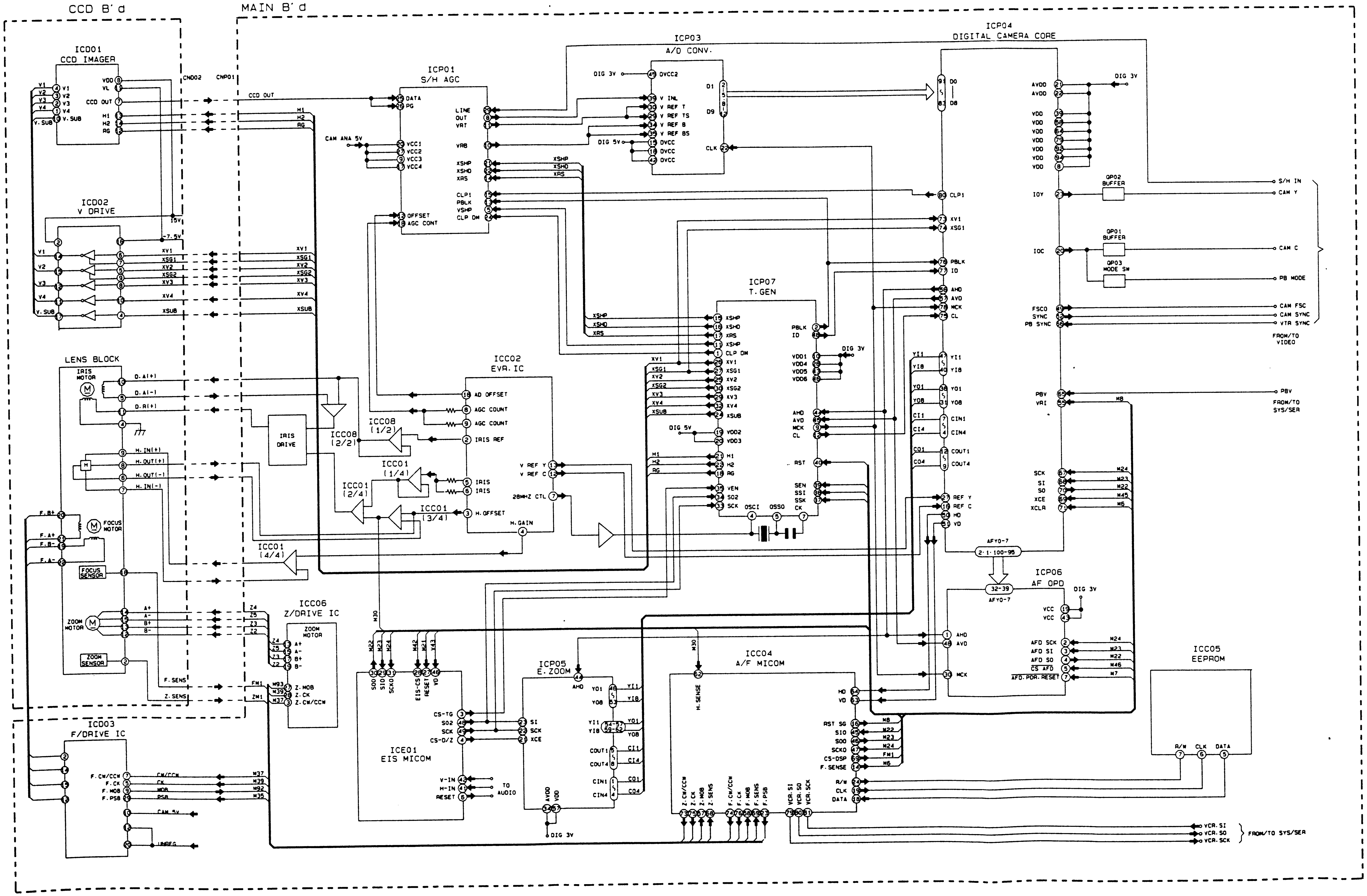
8-8 Camera Record


ICP04
CXD2180AR
CAM Y
CAM C
24
26
FCK LPF
BPF
ACK
15
REC VCA
REC EQ
CLAMP
MAIN LPF
REC DDS
CLAMP
C EMPH
ACC
BURST EMPH
REC CONV
REC C LPF
ACK SW
BUF
13
CLAMP
Y EMPH
W/D CLIP
CARRIER CONT
DEVIATION CONT
SMEAR CONT
MODU
LIM
IC201
HI-8
CXA2080R
NORMAL
CXA2070R
52
51
38
36
34
+
AMP
CLAMP
MUTE
VD/HD INSERTION
22
21
63
64
62
49
41
58
EQ
15
BUF
CLAMP
27
13
IC202
CXA1822Q
AMP
31
17
AMP
5
23
CLAMP
DDS
IC202
CXA1822Q
AMP
19
AMP
21
18
16
VIDEO OUT
SY OUT
SC OUT
VIDEO OUT
CVF Y OUT
LCD Y OUT
CVF C OUT
LCD C OUT
CG H
FROM/TO
CVF/EVF/LCD
DDS VOW
DDS VOB
11
20
12
IC205
BU6251FV
19
13
3
14
2
1
REC VOB
REC VOW
CG V
VCR SO
OSD STB
VCR SCK
VIDEO CS
HD SW
REC ATF
FROM
SYSCON/SERVO
IC101
CXA2002R
6
NORMAL ONLY
5
5
CN101
27
REC AMP
V/I
C GCA
4
GCA
AMP
2
28
HI-8 ONLY
LIM2
LIM1
18
IC102
CXA1509AR
9
9
34
REC AMP
V/I
48
40
41
REC AFM (FROM AUDIO)

8-9 Audio/MIC


IC761
JA761
EXT. MIC
R
L
MIC ASSY
INT. MIC
R
L
INPUT SEL.CTL2
INPUT SEL.CTL1
29
27
30
34
1
35
28
26
20
15
13
36
2
8
AMP1
AMP2
INPUT SEL. 1
INPUT SEL. 2
GAIN CTL L
GAIN CTL R
1dMV
2dMV
INT. AMP GAIN- 24dB
EXT. AMP GAIN- 20dB
GAIN CTL
VCC
STEREO ONLY
MONO ONLY
AMP
A/V JACK
R
L
IN/OUT SEL. CIRCUIT
SP(-)
SP(+)
PH801
EAR PHON
R
L
SPEAKER AMP IC
13
14
19
18
4
2
MIC L IN
IC701
VCC(5V)
VCC(3V)
62
54
56
63
AUD L IN
64
DEV L
36
BPF ADJ
26
PB RF
22
DEV R
16
AUD R IN
2
MIC/LINE SEL. SW.
AGC
AMP 1
MIC INPUT AGC
PHASE COMPARE
VCO
LPF
MIX
B P F
1.5MHz BPF
1.7MHz BPF
PB RF AGC
MATRIX
AGC DET
FADE
OUTPUT SELECT
AMP2
52
AUD R OUT
24
REC AFM
58
59
60
50
49
AUD L OUT
4
1
3
31
29
23
MIC R IN
AGC DET
AUD FSC
BPF MONITER
AV CS
AV SCK
AV SO
HD SW
FADE
TO SYSCON SERVO
REC AFM
AUD FSC
TO VIDEO
AUDIO L OUT
AUDIO R OUT
TO TUNER

8-10 Camera


CCD B'd
MAIN B'd
ICD01
CCD IMAGER
ICD02
V DRIVE
LENS BLOCK
IRIS MOTOR
FOCUS MOTOR
FOCUS SENSOR
ZOOM MOTOR
ZOOM SENSOR
ICD03
F/DRIVE IC
CND02
CNP01
CCD OUT
ICP01
S/H AGC
ICP03
A/D CONV.
ICP04
DIGITAL CAMERA CORE
ICP07
T.GEN
ICC02
EVR.IC
ICC08
(1/2)
(2/2)
ICC01
(1/4)
(2/4)
(3/4)
(4/4)
IRIS DRIVE
ICC06
Z/DRIVE IC
ZOOM MOTOR
ICE01
EIS MICOM
ICP05
E.ZOOM
ICC04
A/F MICOM
ICP06
AF OPD
ICC05
EEPROM
QP02
BUFFER
QP01
BUFFER
QP03
MODE SW
DIG 3V
DIG 5V
CAM ANA 5V
CAM 5V
UNREG
S/H IN
CAM Y
CAM C
PB MODE
CAM FSC
CAM SYNC
VTR SYNC
FROM/TO VIDEO
PBV
FROM/TO SYS/SER
TO AUDIO
VCR.SI
VCR.SO
VCR.SCK
FROM/TO SYS/SER

9. PCB Diagrams

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9-6 Function VCR -------------------------- 9-9

9-7 Function Menu(VP-L90) ----------------- 9-10

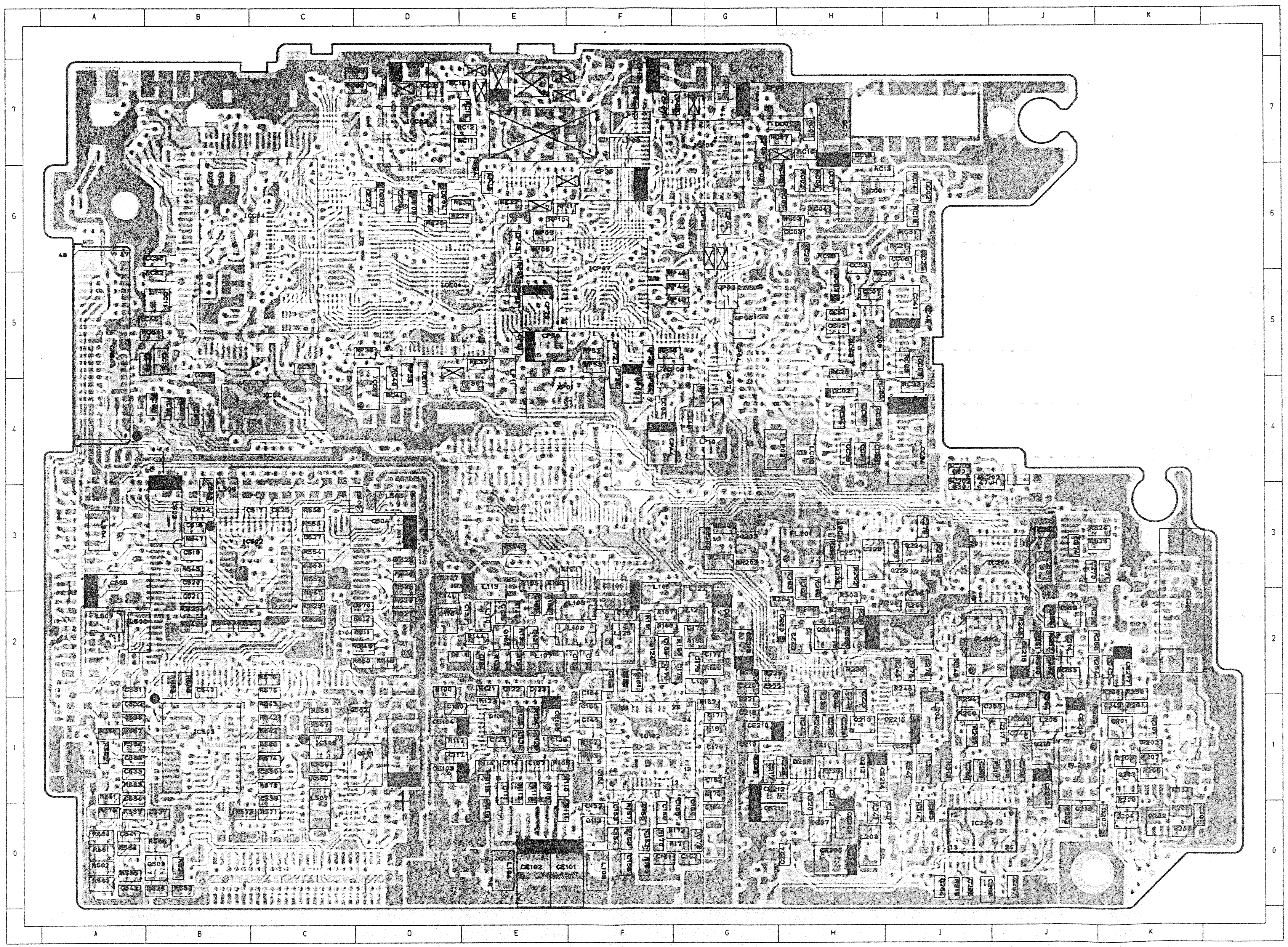
9-8 Function Menu(VP-L95) ----------------- 9-12

9-9 EVF ----------------------------------- 9-14

9-10 CCD ---------------------------------- 9-15

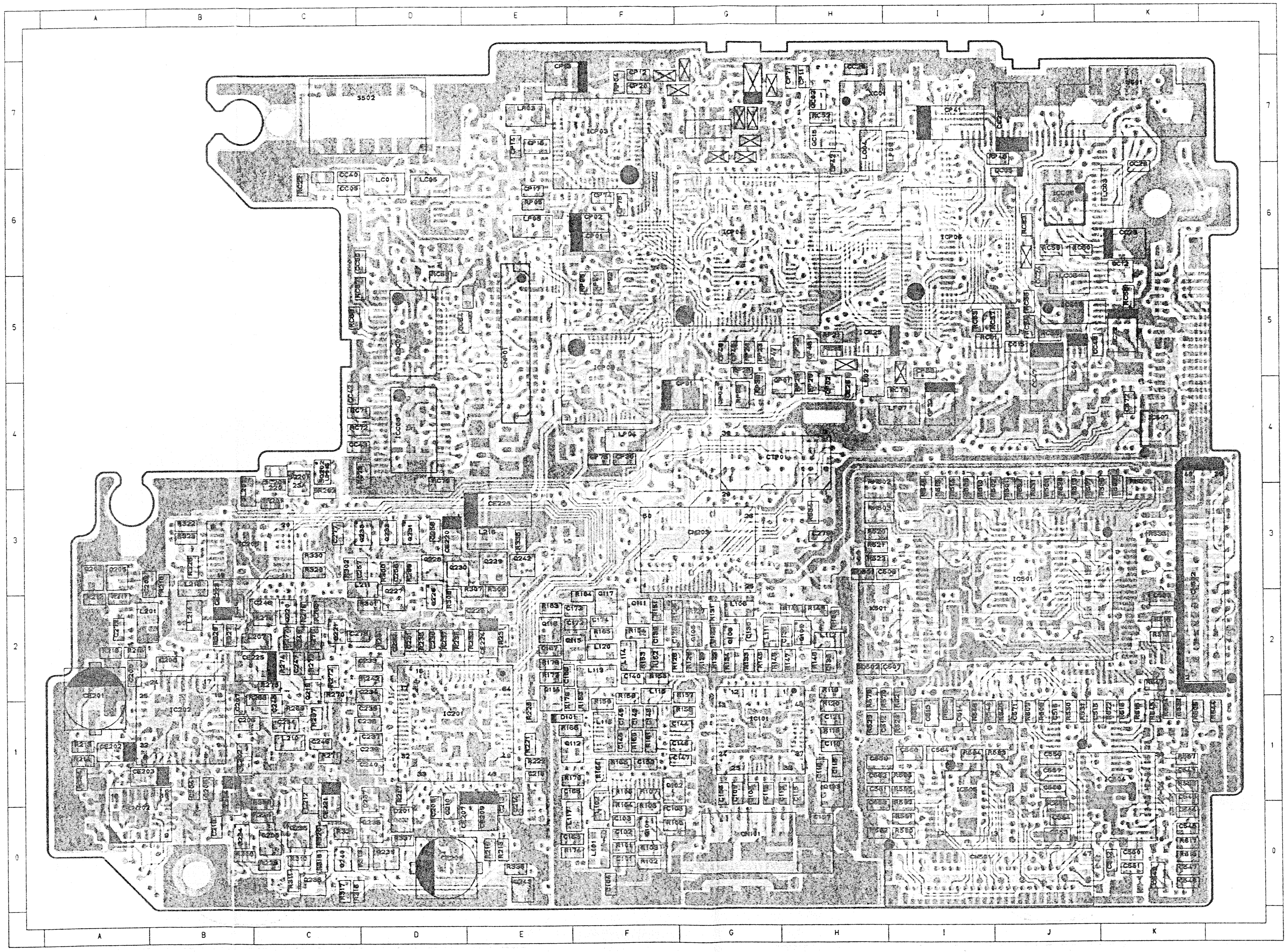
9-11 LCD ---------------------------------- 9-16

9-1 Main



(Component Side)

CN201	2K
CN503	5A
FL201	3H
FL202	2I
FL203	1J
IC102	1F
IC203	0I
IC204	3J
IC502	4C
IC503	1B
IC506	1C
ICC01	6H
ICC02	7D
ICC04	6C
ICC07	4D
ICC08	5H
ICE01	5D
ICP01	7G
ICP07	5F
ICP08	5G
XC02	4C
XP01	4E

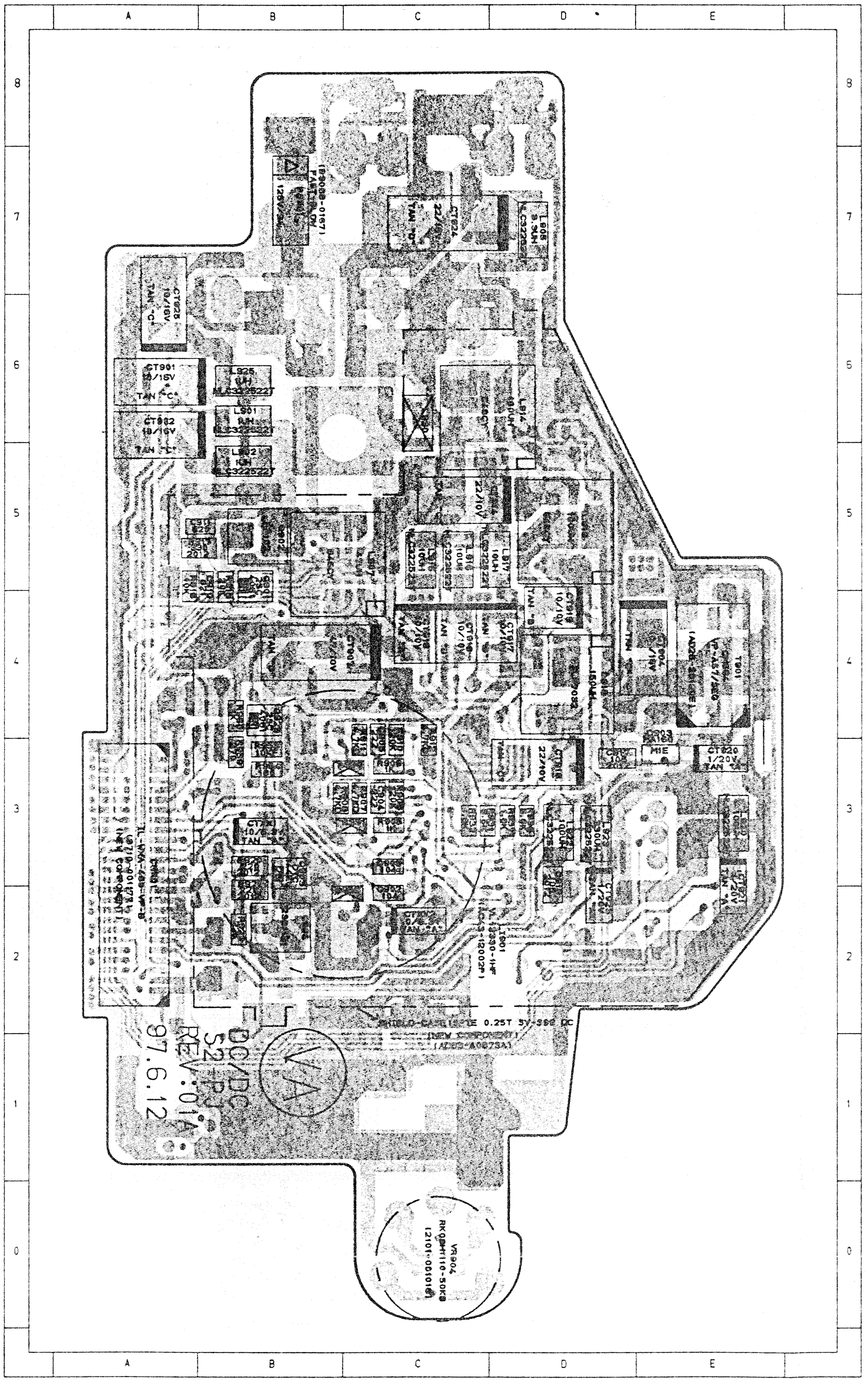


CN101	0G
CN202	0A
CN203	3G
CN501	0J
CN502	3K
CNP01	5E
CTP01	4H
IC101	1G
IC202	1B
IC205	3B
IC501	2J
IC504	1K
IC505	1I
IC507	4K
ICC05	6J
ICC08	5D
ICC09	4D
ICP03	7F
ICP04	6G
ICP05	6I
ICP06	4F
X501	2H
XC01	7H

(Conductor Side)

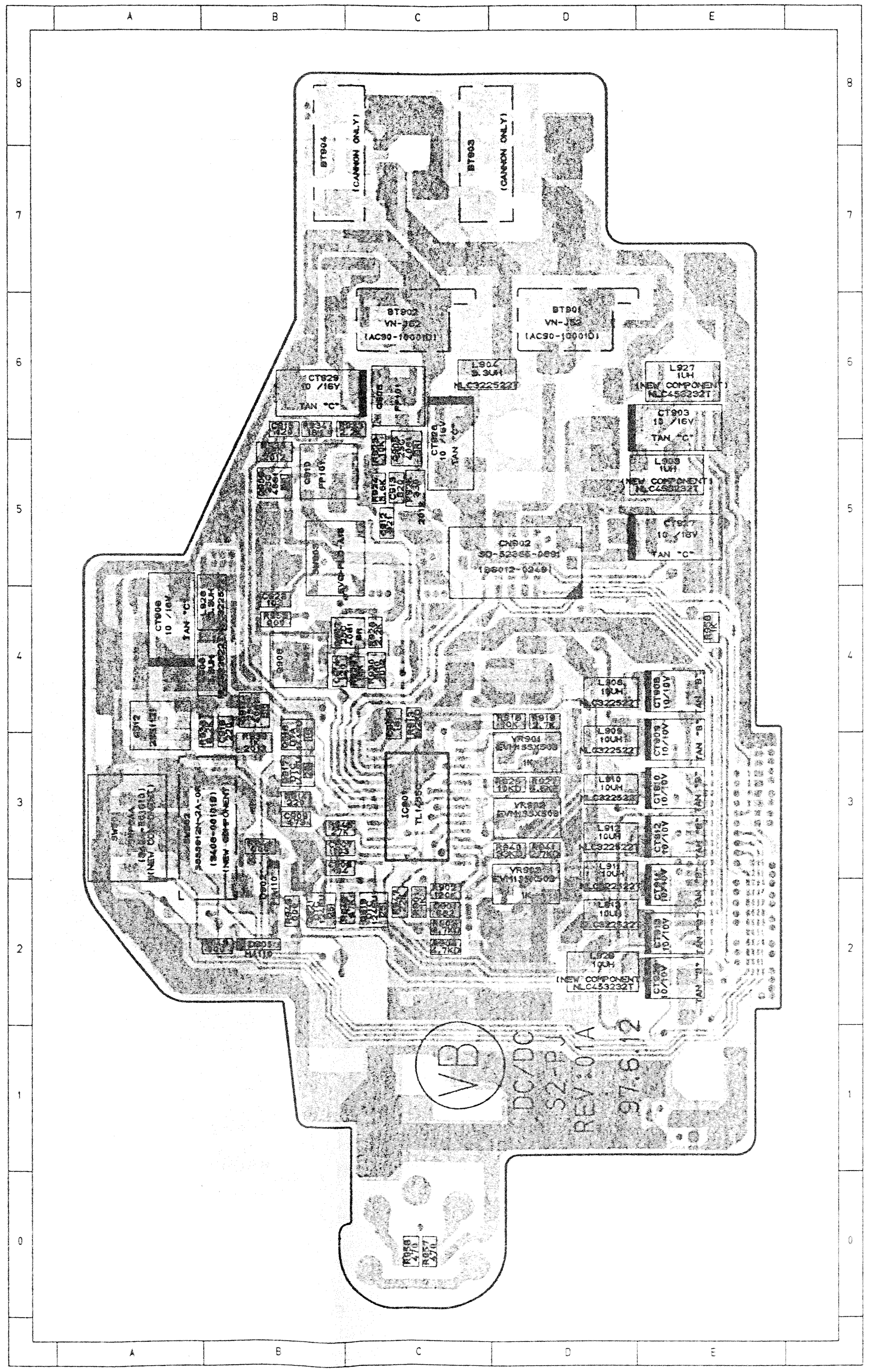
9-2 DC/DC Converter

CN901	3A
L901	6B
L902	5B
L905	7D
L907	5B
L914	6C
L915	5C
L916	5C
L917	5D
L918	4D
L919	5D
L920	3E
L922	3D
L923	3D
L925	6B
PS901	7B
Q901	5B
Q902	5B
Q903	3B
Q904	2B
Q923	4B
T901	4E


A
B
C
D
E
8
7
6
5
4
3
2
1
0
VA
DC/DC
52-PJ
REV:01A
97.6.12

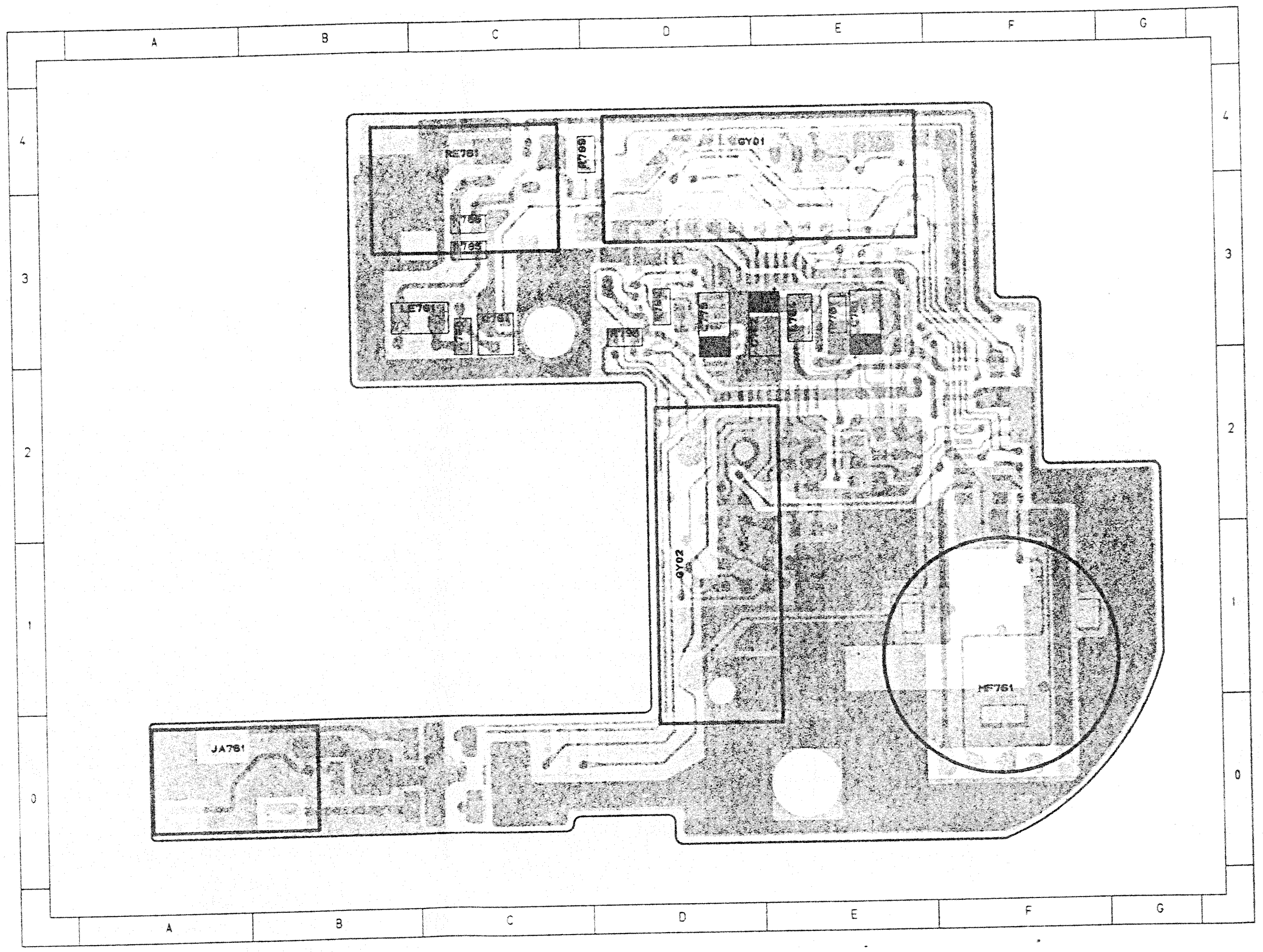
(Component Side)

CN902	5D
IC901	3C
L903	5E
L908	4D
L910	3D
L911	3D
L912	3D
L913	2D
L926	2D
L927	6E
Q906	6C
Q907	4C
Q908	4B
Q912	4A
Q917	3B
Q918	3B
SW901	3A
SW902	3B
VR901	3D
VR902	3D
VR903	3D


A
B
C
D
E
8
7
6
5
4
3
2
1
0
BT904
(CANNON ONLY)
BT903
(CANNON ONLY)
BT902
BT901
CN902
VB
DC/DC
52-PJ
REV:01A
97.6.12

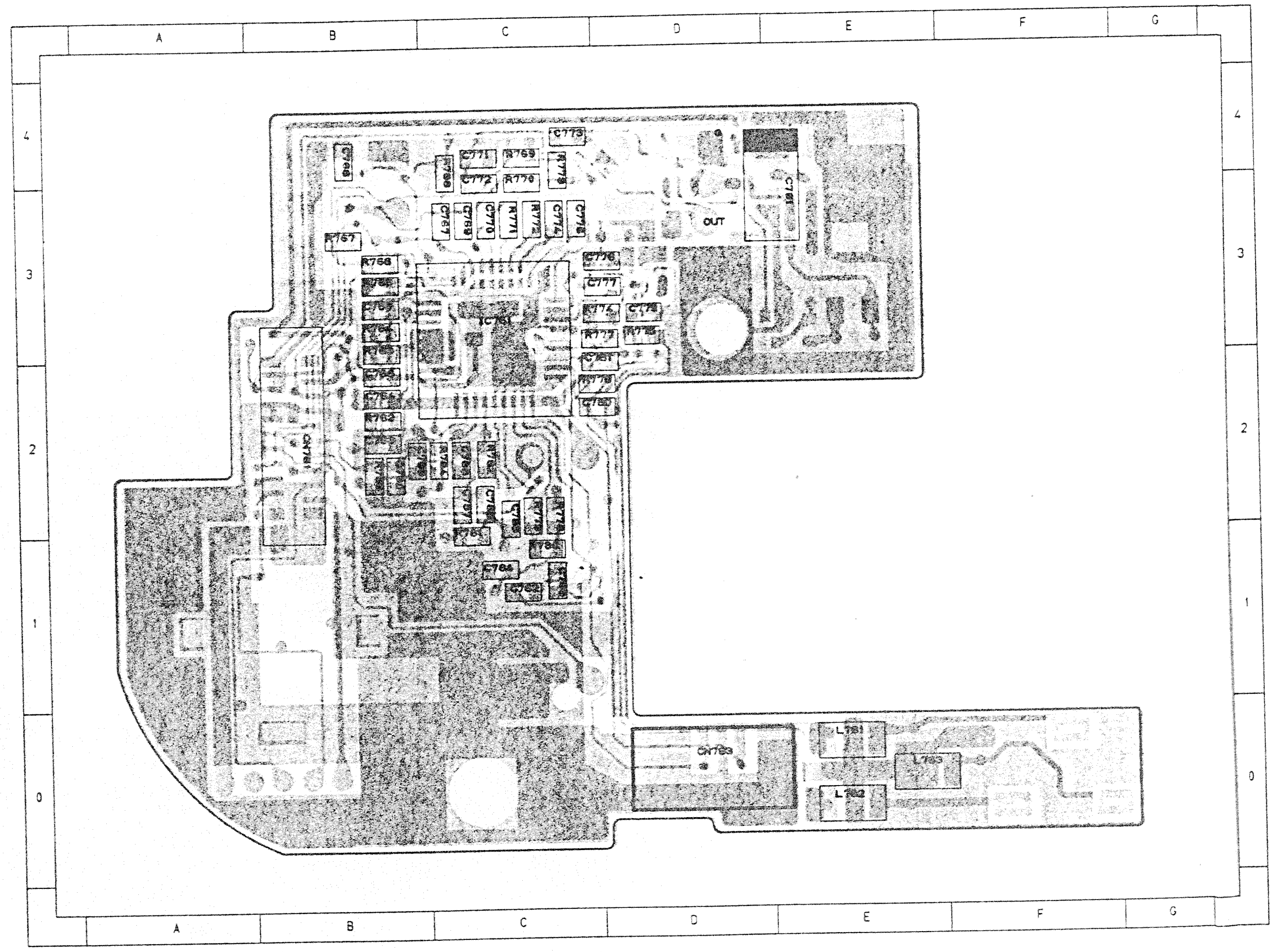
(Conductor Side)

9-3 Mic


A
B
C
D
E
F
G
0
1
2
3
4
RE761
GY01
LE761
GY02
MF761
JA761

GY01	4D
GY02	1D
JA761	0A
MF761	1F
RE761	3C

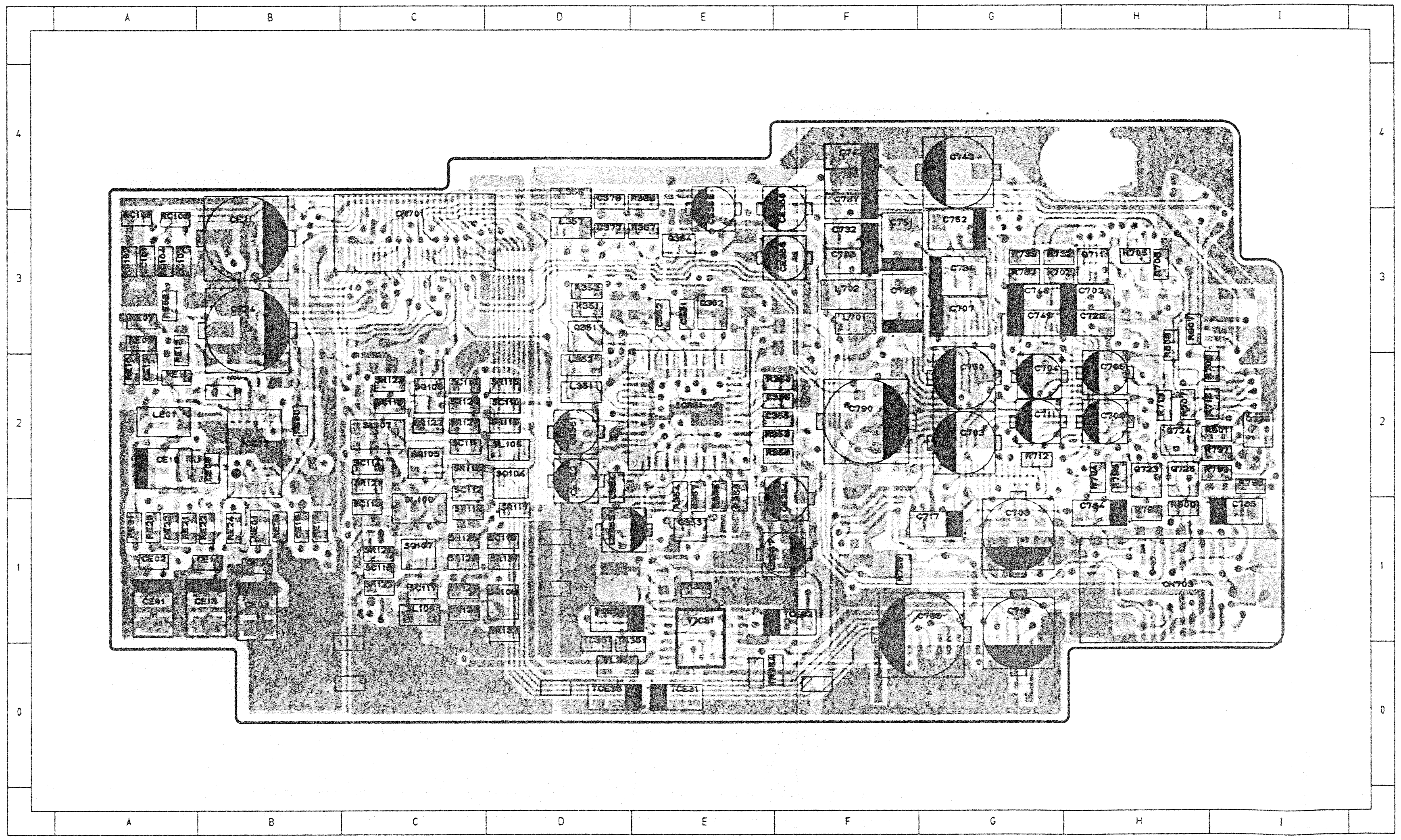
(Component Side)


A
B
C
D
E
F
G
0
1
2
3
4
IC761
CN761
CN763
OUT
L761
L762
L763

CN761	2B
CN763	0D
IC761	3C

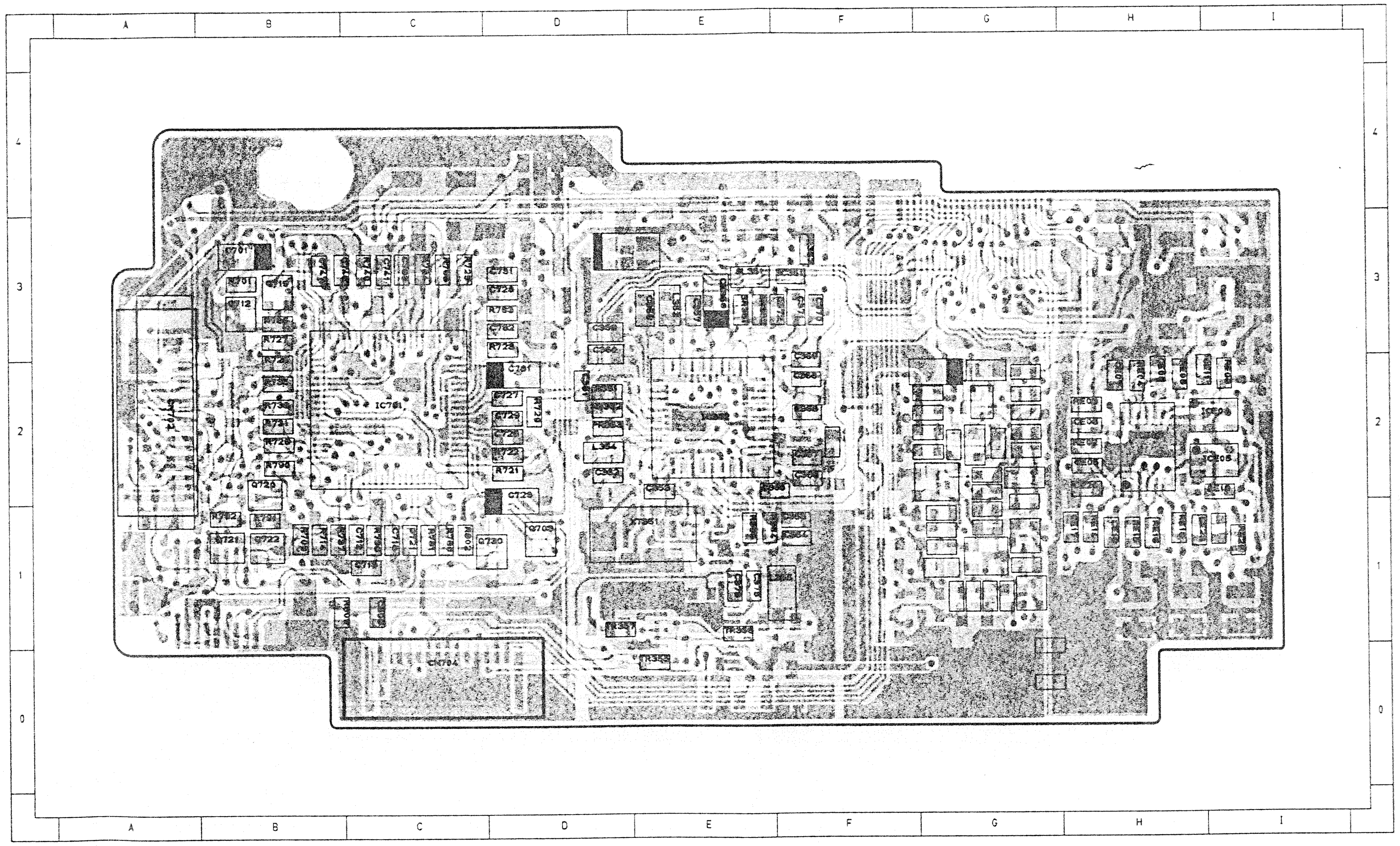
(Conductor Side)

9-4 Audio



CN701	3C
CN703	1H
IC351	2E
ICE02	2B
Q352	3E
Q353	1E
Q354	3E
Q723	2H
Q724	2H
Q725	2H
Q726	2I
SQ105	2C
SQ106	2C
SQ107	1C
SQ108	1D
TIC31	1E

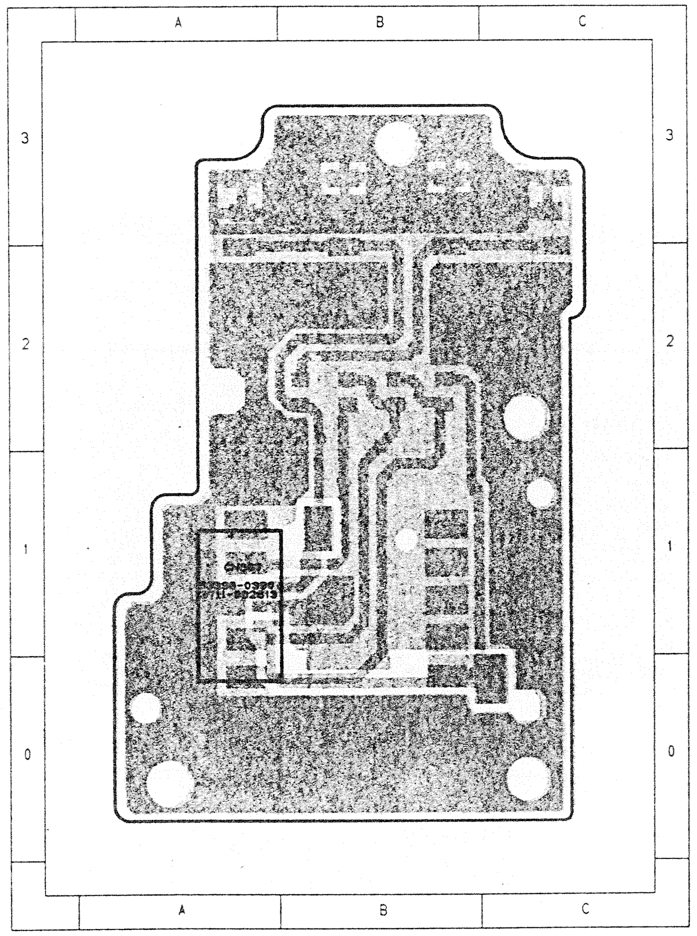
(Component Side)



CN704	0C
IC352	2E
IC701	2C
ICE03	2H
ICE04	2I
ICE05	2I
Q703	1D
Q712	3B
Q721	1B
Q722	1B
Q730	1D
SF101	3D
XT351	1E

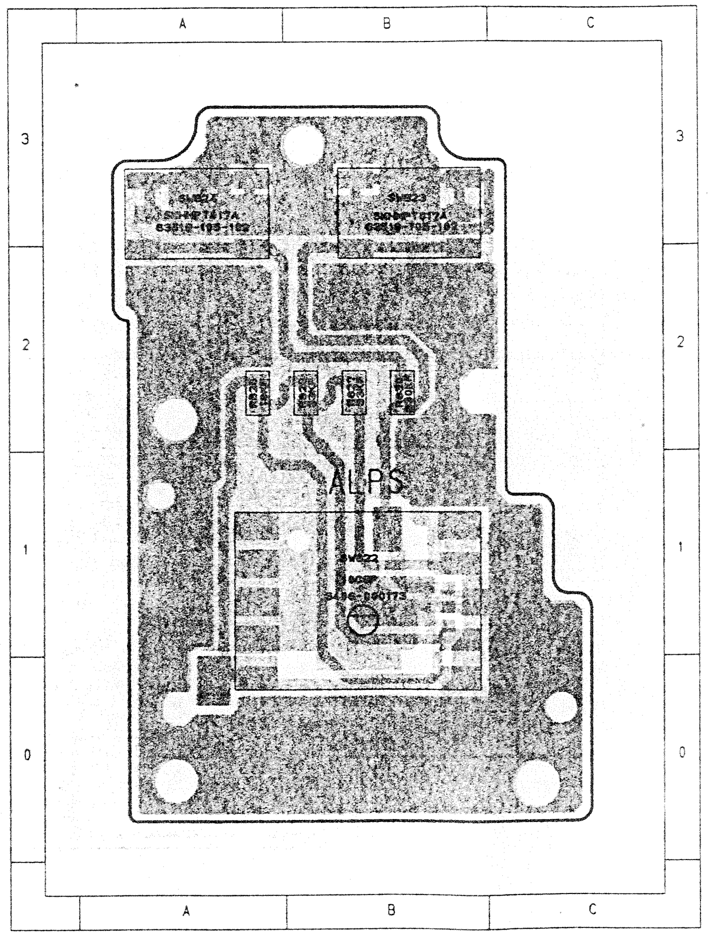
(Conductor Side)

9-5 Function AE


A
B
C
3
2
1
0
CN807

CN807	1A

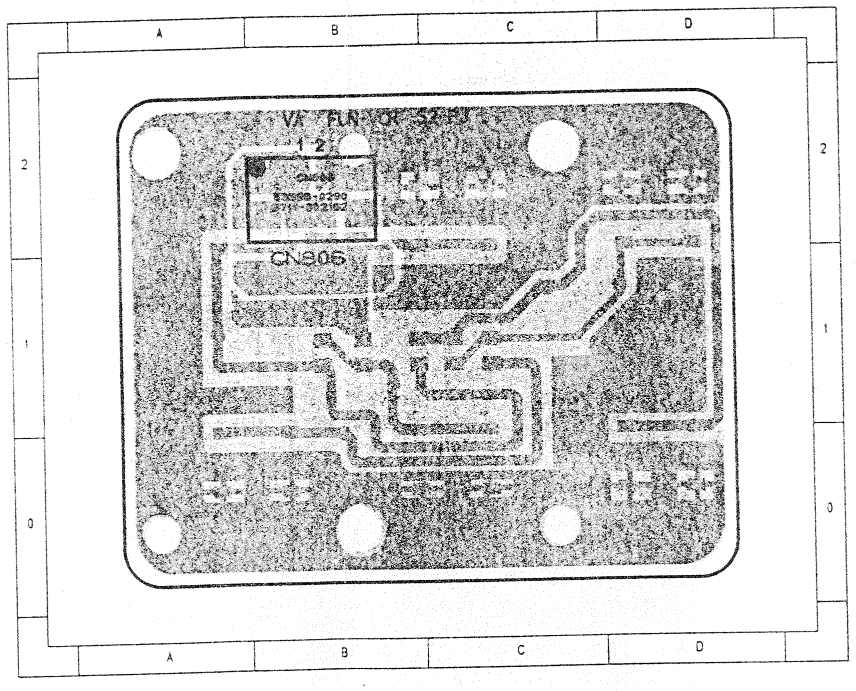
(Component Side)


A
B
C
3
2
1
0
ALPS
SW822
SW823
SW824

SW822	1B
SW823	3B
SW824	3A

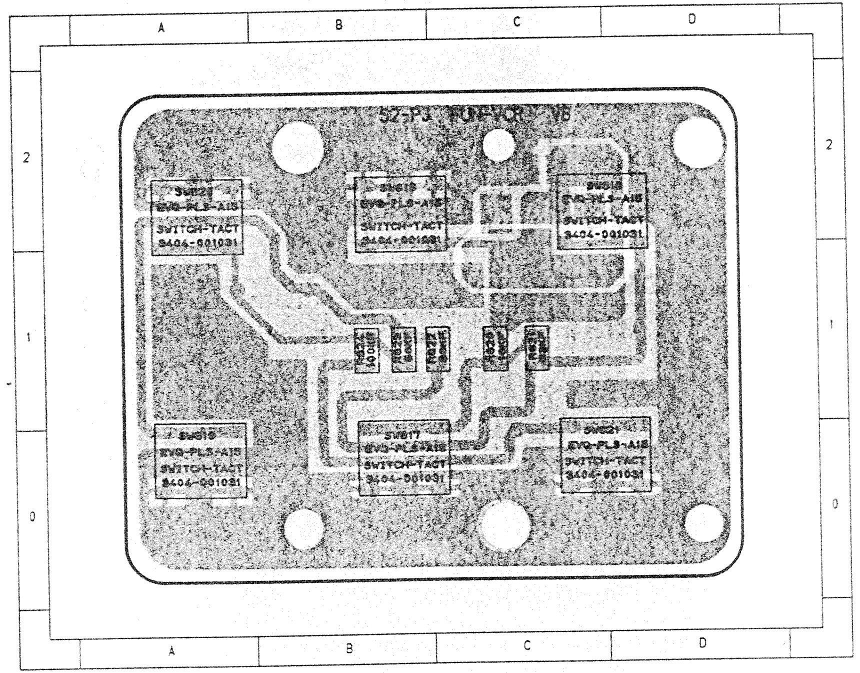
(Conductor Side)

9-6 Function VCR


A
B
C
D
2
1
0
VA FUN-VCR 52-P3
1 2
CN806

SW816	2B
SW817	0B
SW818	2C
SW819	0A
SW820	2A
SW821	0C

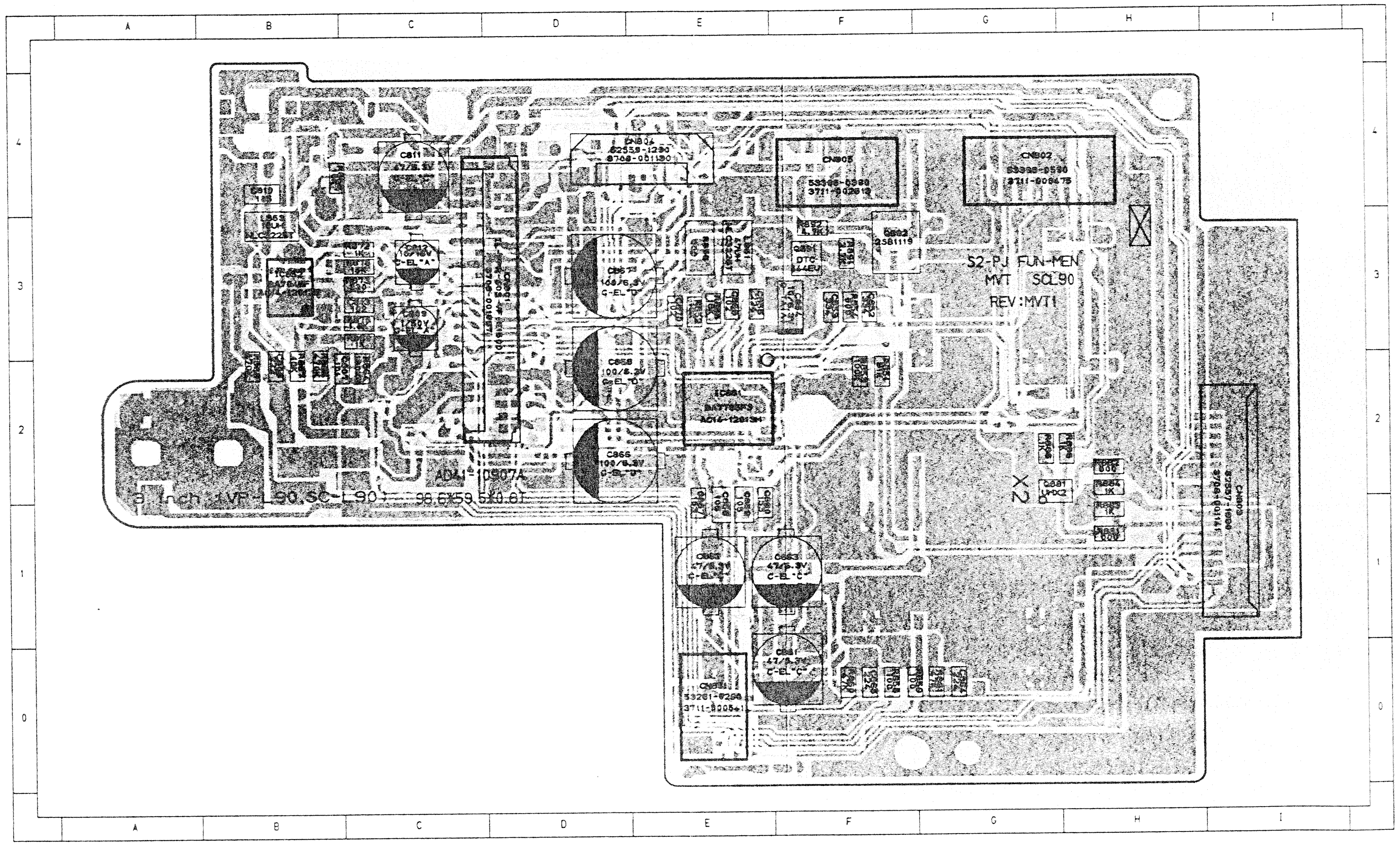
(Component Side)


A
B
C
D
2
1
0
52-P3 FUN-VCR VB
SW817
SW821
EVQ-PLS-A15
SWITCH-TACT
3404-001031

CN806	2B

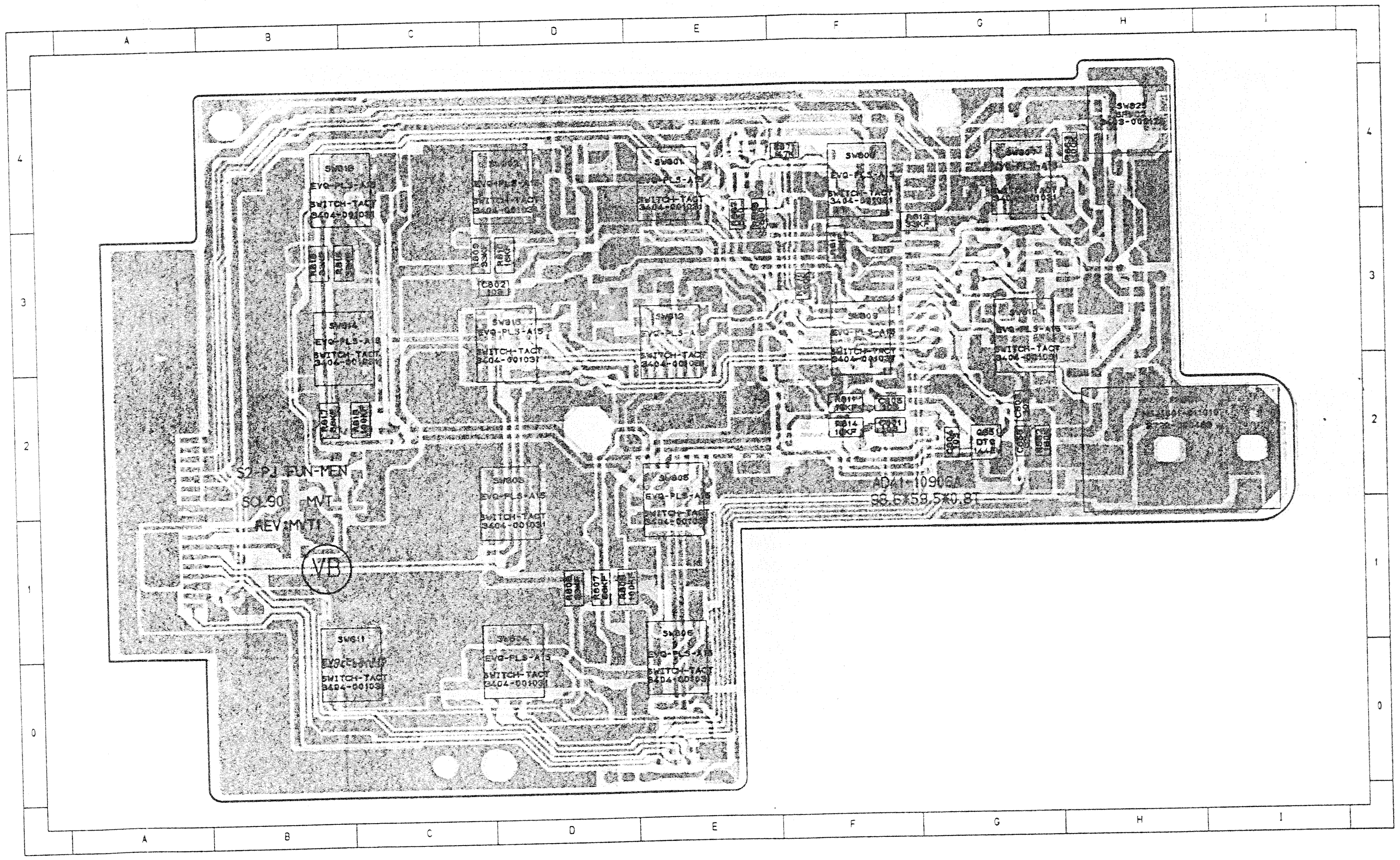
(Conductor Side)

9-7 Function Menu (VP-L90)


A
B
C
D
E
F
G
H
I
0
1
2
3
4
S2-PJ FUN-MEN
MVT SCL90
REV:MVT1
AD41-00907A
3 inch VP-L90,SC-L90
98.6X59.5X0.6T

CN801	3D
CN802	4H
CN803	2I
CN804	4E
CN805	4F
CN851	0E
IC851	2E
IC852	3B
Q892	3G

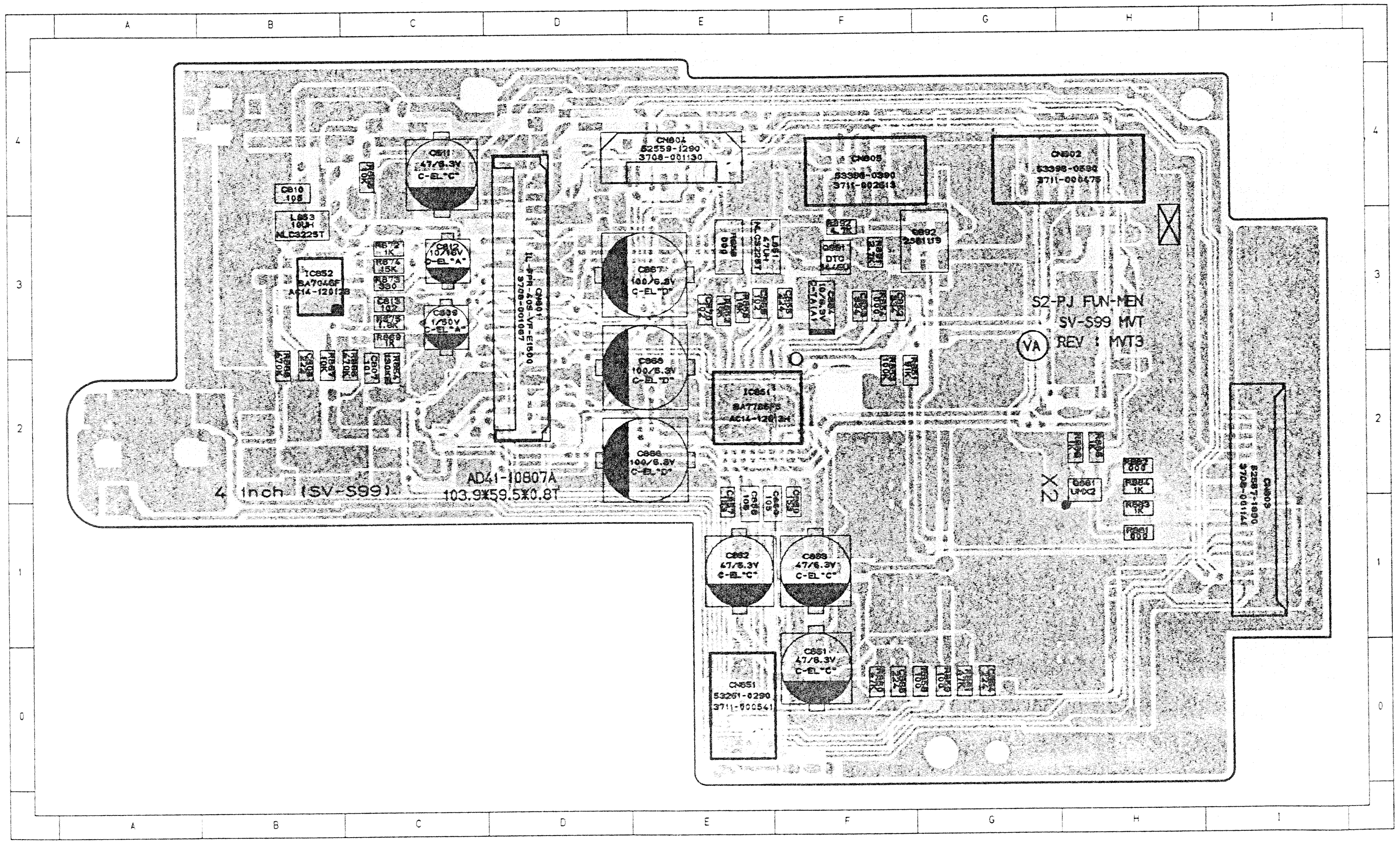
(Component Side)


A
B
C
D
E
F
G
H
I
0
1
2
3
4
S2-PJ FUN-MEN
SOL90 MVT
REV MVT1
VB
AD41-10906A

PH851	2H
Q851	2G
SW801	4E
SW802	4D
SW803	2D
SW804	0D
SW805	2E
SW806	0E
SW807	4G
SW808	4F
SW809	3F
SW810	3G
SW811	0C
SW812	3E
SW813	4B
SW814	3B
SW815	3C
SW825	4H

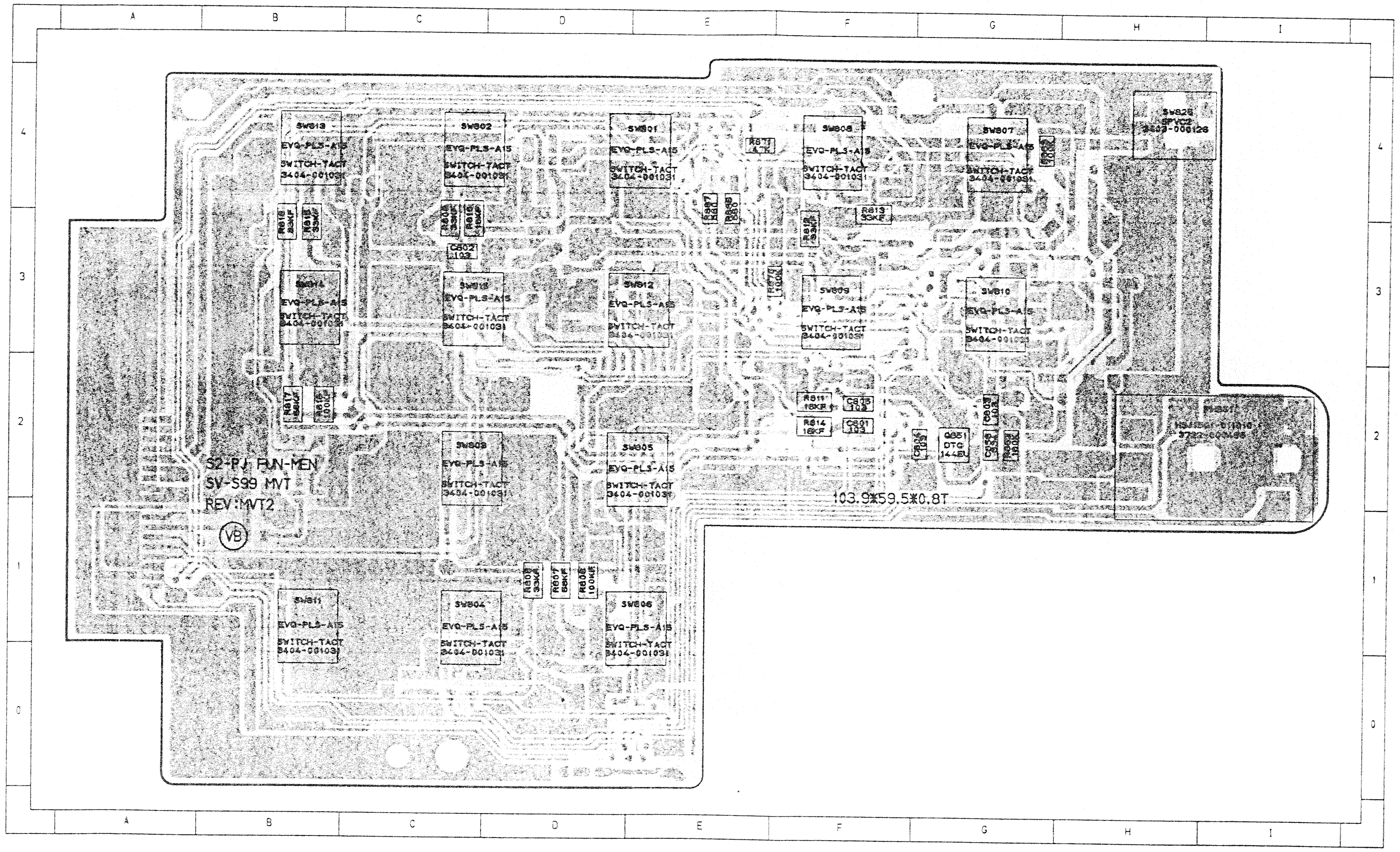
(Conductor Side)

9-8 Function Menu (VP-L95)


A
B
C
D
E
F
G
H
I
0
1
2
3
4
CN804
CN805
CN802
CN801
CN851
IC851
IC852
Q892
C882
C883
C881
C886
C887
C888
S2-PJ FUN-MEN
SV-S99 MVT
REV : MVT3
VA
X2
AD41-10807A
103.9X59.5X0.8T
4 inch (SV-S99)

CN801	3D
CN802	4H
CN803	2I
CN804	4E
CN805	4F
CN851	0E
IC851	2E
IC852	3B
Q892	3G

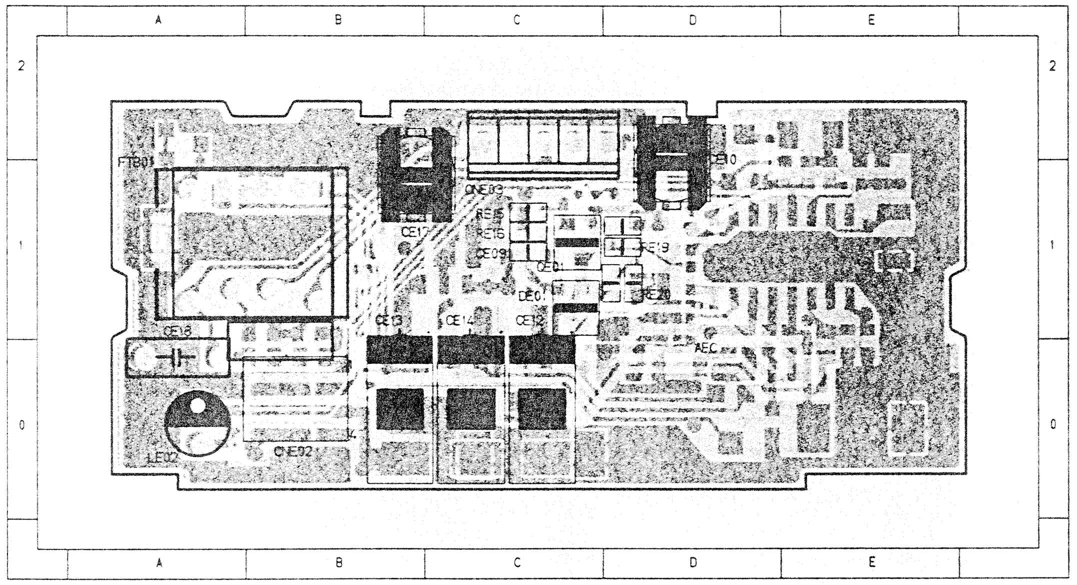
(Component Side)


S2-PJ FUN-MEN
SV-S99 MVT
REV:MVT2
103.9X59.5X0.8T
SW801
SW802
SW803
SW804
SW805
SW806
SW807
SW808
SW809
SW810
SW811
SW812
SW813
SW814
SW815
SW825
EVQ-PLS-A15
SWITCH-TACT
3404-001031
Q851
PH851

PH851	2H
Q851	2G
SW801	4E
SW802	4C
SW803	2C
SW804	1C
SW805	2D
SW806	1E
SW807	4G
SW808	4F
SW809	3F
SW810	3G
SW811	1B
SW812	3D
SW813	4B
SW814	3B
SW815	3C
SW825	4H

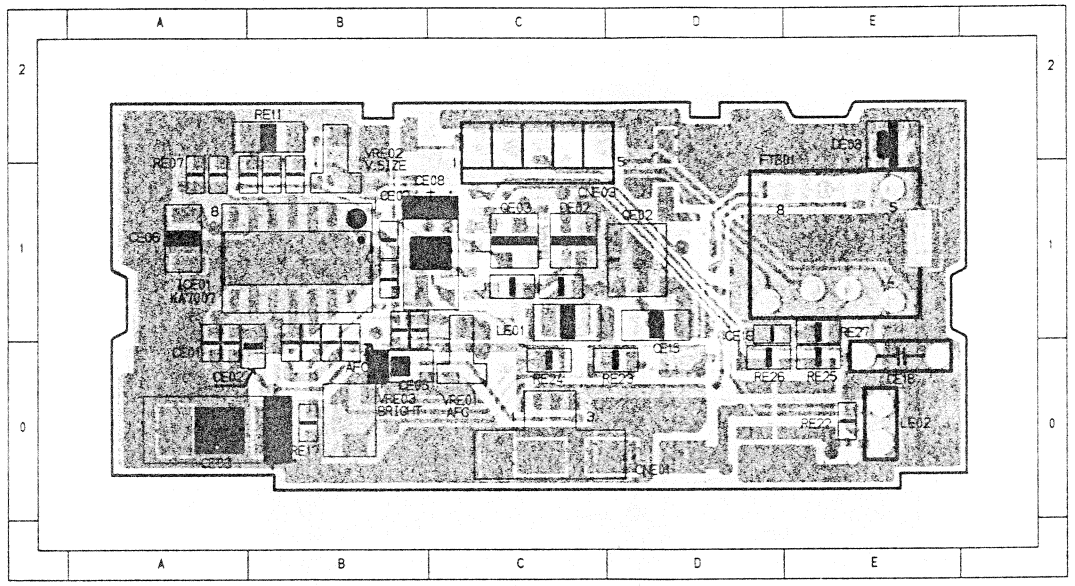
(Conductor Side)

9-9 EVF


A
B
C
D
E
2
1
0
FTB01
CE16
LE02
CNE02
CNE03
CE17
CE13
CE14
CE12
AFC

QE01	1C
CNE02	0B
CE17	1B
CE10	1D

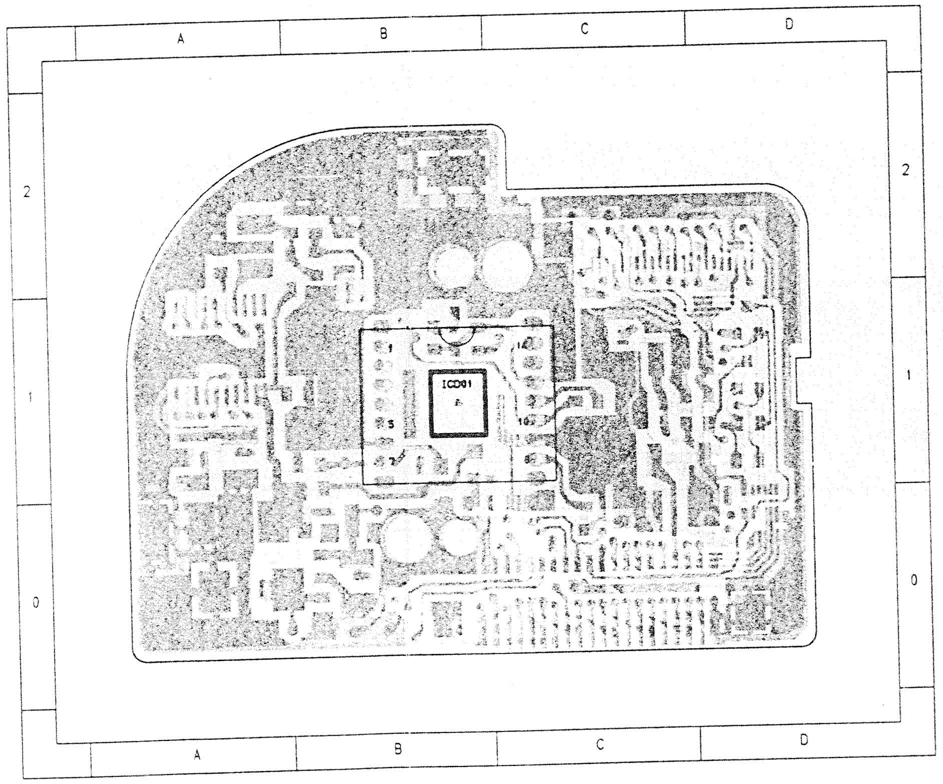
(Component Side)


A
B
C
D
E
2
1
0
RE11
RE07
CE06
ICE01
KA7007
VRE02
V.SIZE
CE08
QE03
CNE03
FTB01
LE01
CE15
RE27
RE26
RE25
CE18
LE02
VRE03
BRIGHT
VRE01
AFC
CNE01

CNE01	0C
CNE03	2C
FTB01	1E
ICE01	1B
QE03	1C
VRE01	0C
VRE02	1B
VRE03	0B

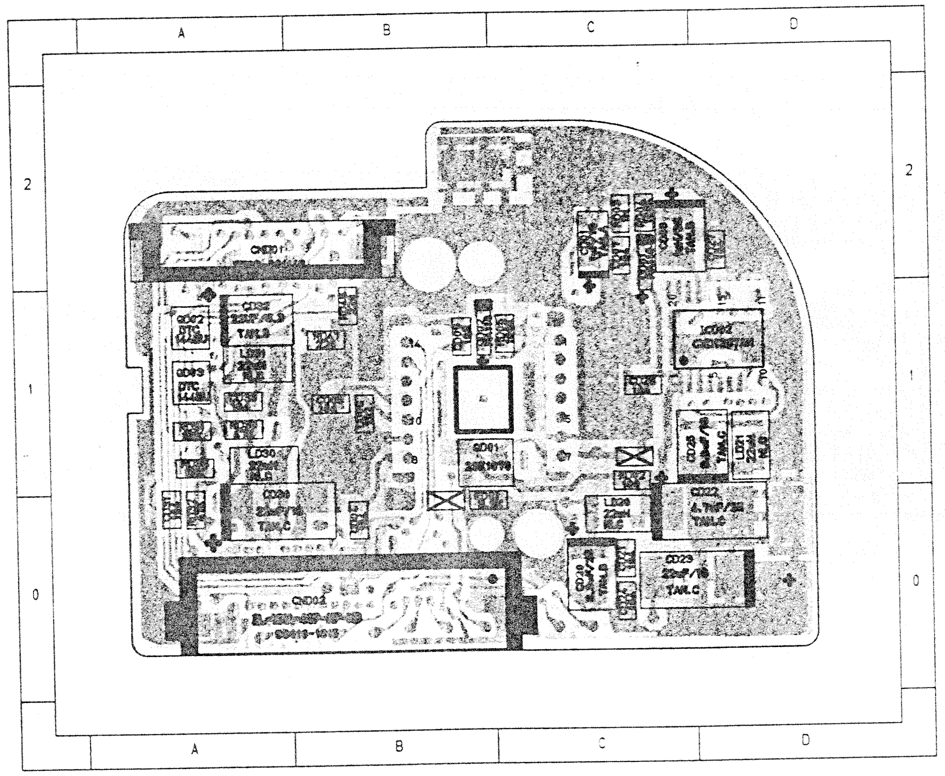
(Conductor Side)

9-10 CCD


A
B
C
D
2
1
0
ICD01

ICD01	1B

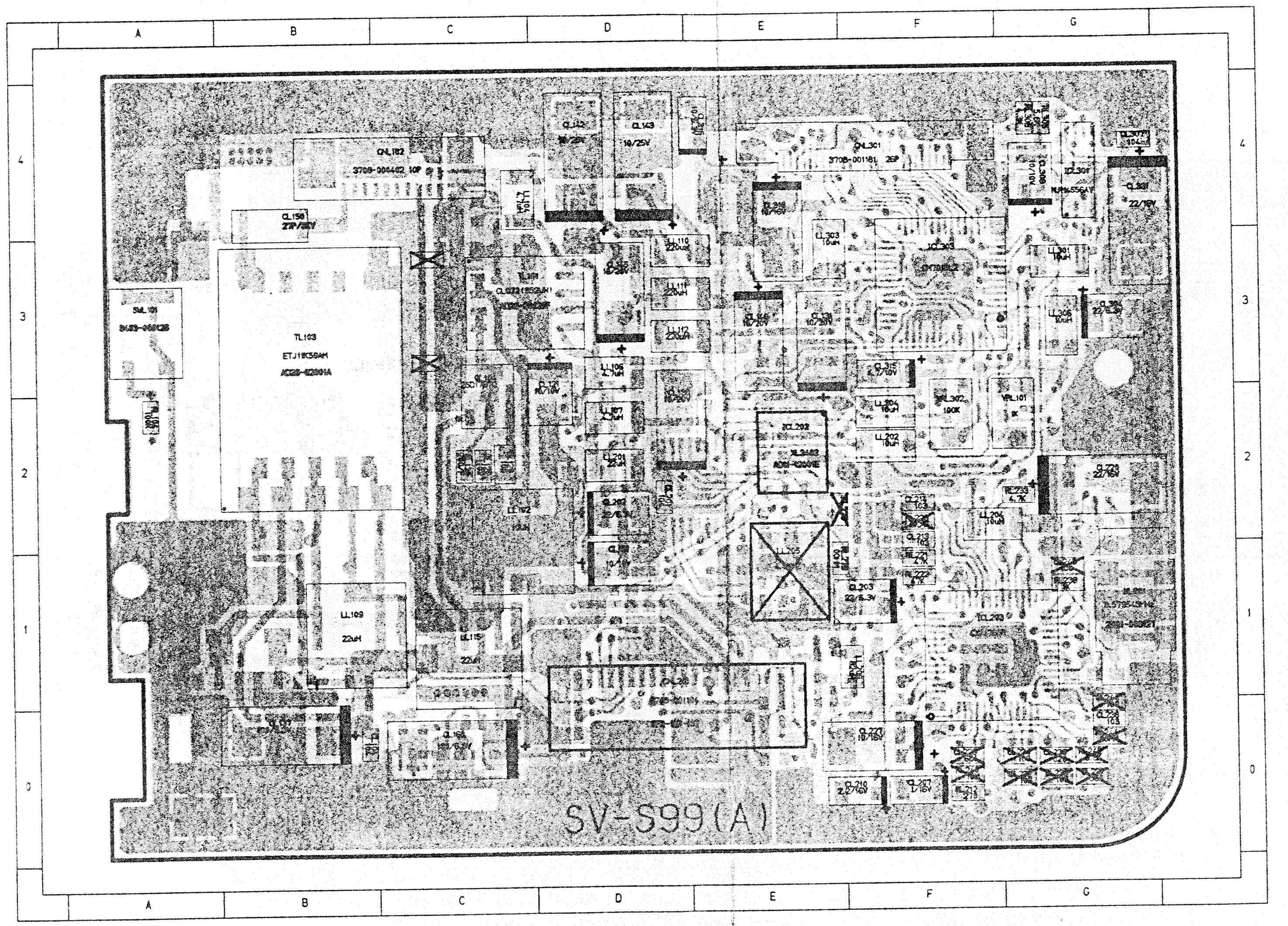
(Component Side)



CND01	2A
CND02	0B
ICD02	1D
QD01	1B
QD02	1A
QD03	1A

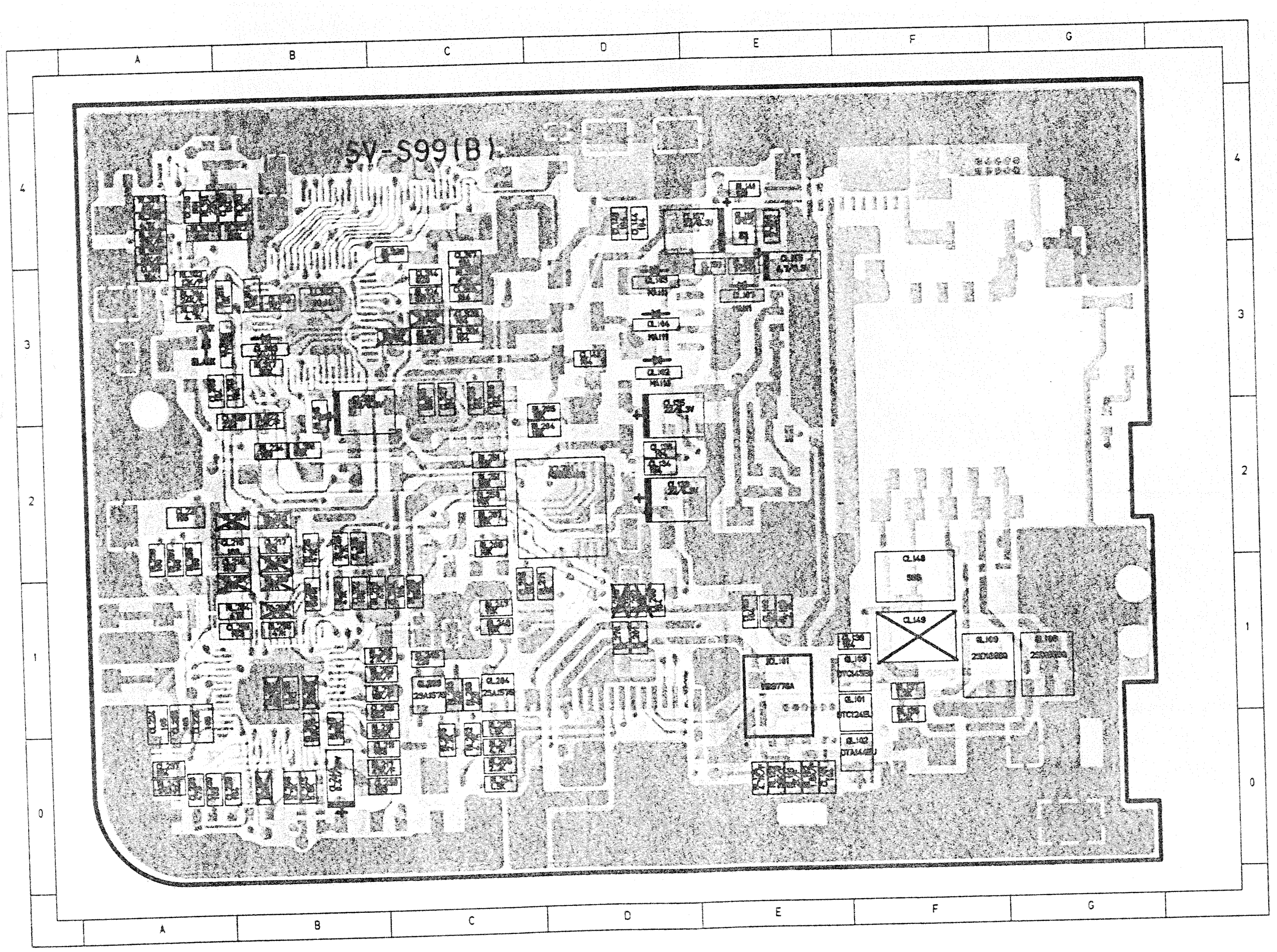
(Conductor Side)

9-11 LCD


A
B
C
D
E
F
G
4
3
2
1
0
SV-S99(A)

CNL102	4C
CNL201	0D
CNL301	4F
ICL202	1E
ICL203	1F
ICL301	4G
ICL303	3F
QL104	2C
SWL101	3A
TL101	3C
TL103	3B
XL201	1G

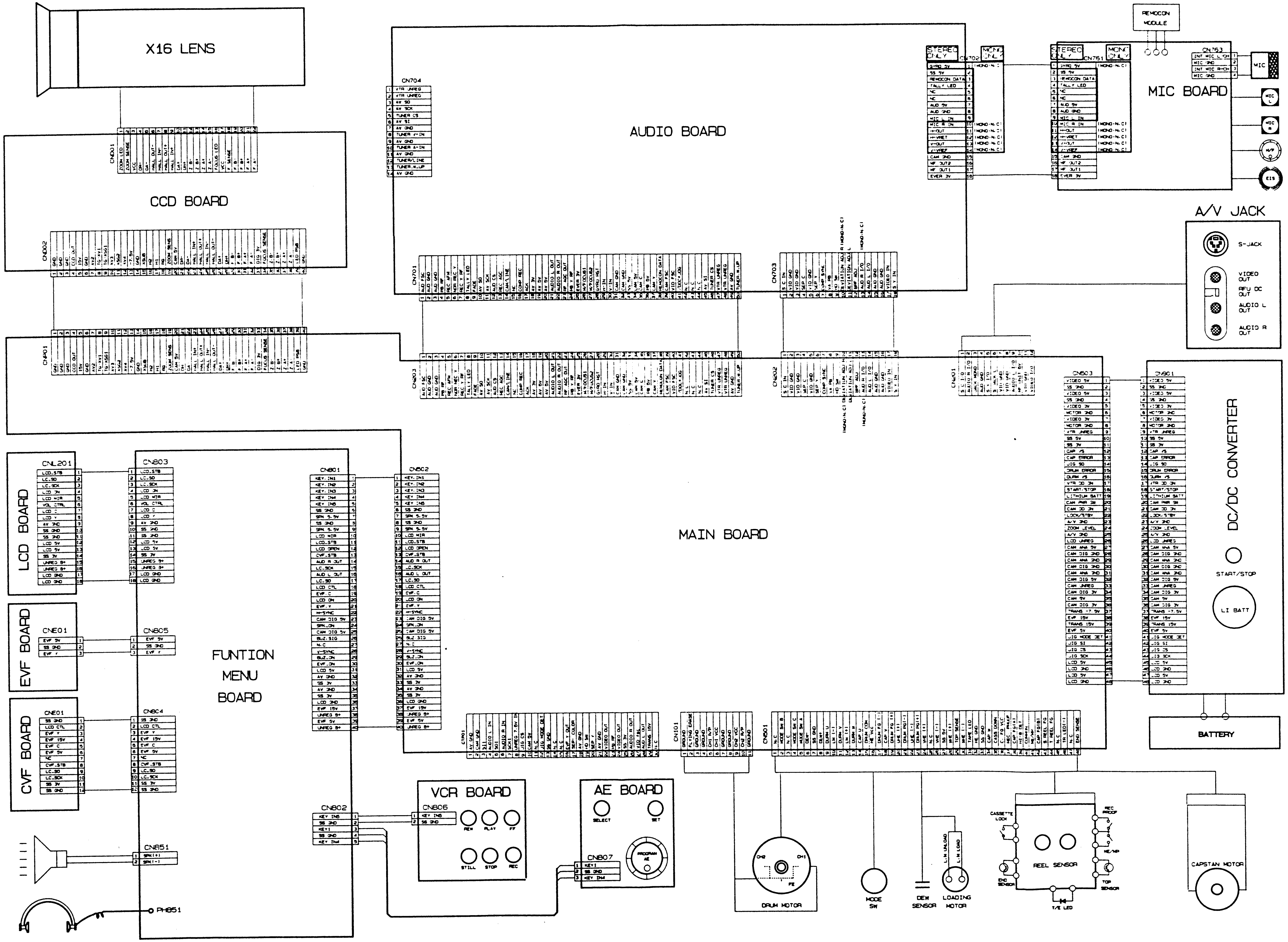
(Component Side)


SV-S99(B)
A
B
C
D
E
F
G
0
1
2
3
4

DL102	3E
DL103	3D
DL104	3D
DL107	3E
ICL101	1E
ICL201	2D
QL101	1F
QL102	0F
QL103	1F
QL108	1G
QL109	1F
QL110	4E

(Conductor Side)

10. Wiring Diagram


X16 LENS
CCD BOARD
CN001
CN002
CNP01
AUDIO BOARD
CN704
CN701
CN703
CN702
STEREO ONLY
MONO ONLY
CN751
STEREO ONLY
MONO ONLY
REMOCON MODULE
CN753
MIC
MIC BOARD
A/V JACK
S-JACK
VIDEO OUT
RFU DC OUT
AUDIO L OUT
AUDIO R OUT
CNP03
CNP02
CNJ01
CN503
CN901
DC/DC CONVERTER
START/STOP
LI BATT
BATTERY
MAIN BOARD
LCD BOARD
CNL201
CN803
EVF BOARD
CNE01
CN805
CVF BOARD
CNE01
CN804
FUNTION MENU BOARD
CN801
CN502
CN802
CN651
PH851
VCR BOARD
CN806
REW
PLAY
FF
STILL
STOP
REC
AE BOARD
SELECT
SET
CN807
PROGRAM AE
CPP01
CN101
CN501
DRUM MOTOR
MODE SW
DEW SENSOR
LOADING MOTOR
CASSETTE LOCK
REC PROOF
END SENSOR
REEL SENSOR
T/E LED
TOP SENSOR
CAPSTAN MOTOR

11. Schematic Diagrams

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◆ Block Identification of Main PCB ---------------- 11-2

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11-4 Video (VP-L95) ------------------------ 11-8

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11-6 Pre-Amp (VP-L95) ---------------------- 11-12

11-7 Video-Sub (VP-L90) -------------------- 11-14

11-8 Video-Sub (VP-L95) -------------------- 11-15

11-9 Audio --------------------------------- 11-16

11-10 Mic (VP-L90) ------------------------- 11-18

11-11 Mic (VP-L95) ------------------------- 11-20

11-12 Function-AE -------------------------- 11-22

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11-14 Function-Menu ------------------------ 11-23

11-15 EVF ---------------------------------- 11-24

11-16 LCD ---------------------------------- 11-26

11-17 EIS 1 (VP-L90) ----------------------- 11-27

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11-21 Process ------------------------------ 11-34

11-22 Adaptor ------------------------------ 11-38

Note

For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.
- Circled numbers refer to waveforms.

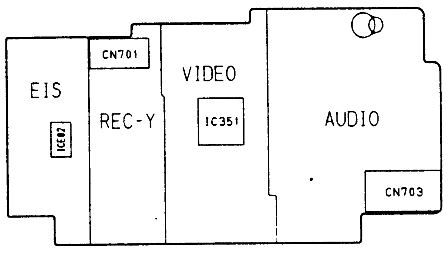
Special note ;
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components. Use only the same type.

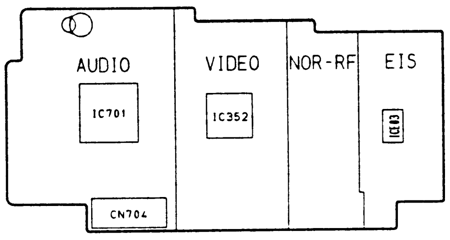
◆ Block Identification of Audio PCB

BLOCK / MODEL	COMPONENT SIDE				CONDUCTOR SIDE			
	AUDIO	VIDEO	EIS	REC-Y	AUDIO	VIDEO	EIS	NOR-RF
VP-L90	O	X	X	O	O	X	X	O
LP-L95	O	X	O	X	O	X	O	X



CN701
EIS
VIDEO
REC-Y
IC351
AUDIO
CN703

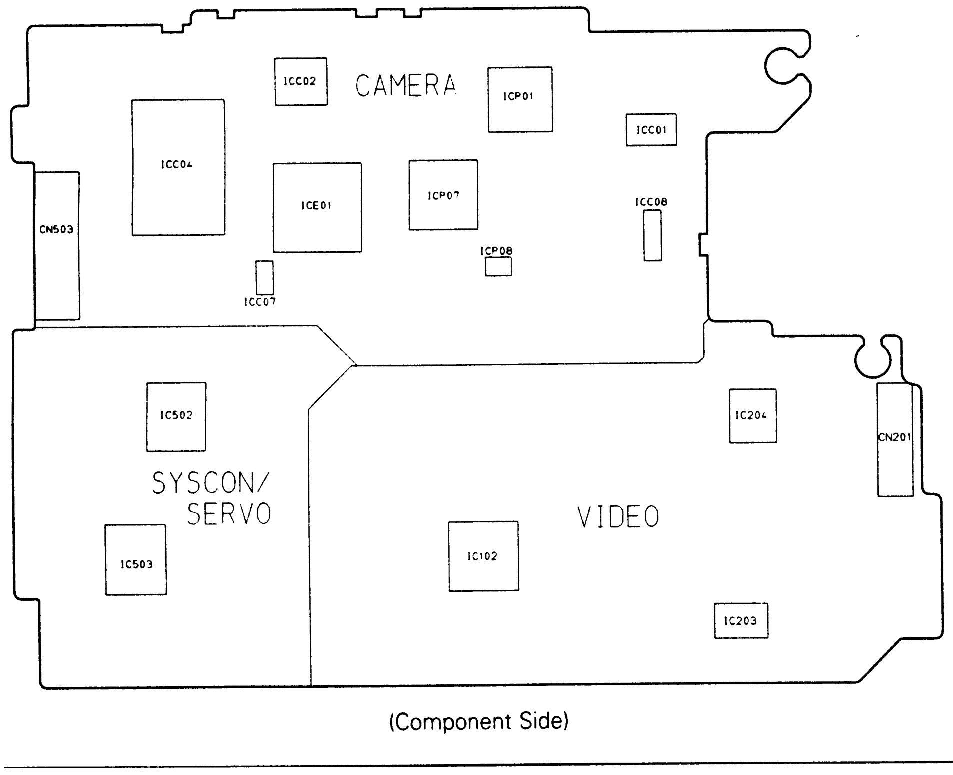
(Component Side)



AUDIO
IC701
CN704
VIDEO
IC352
NOR-RF
EIS

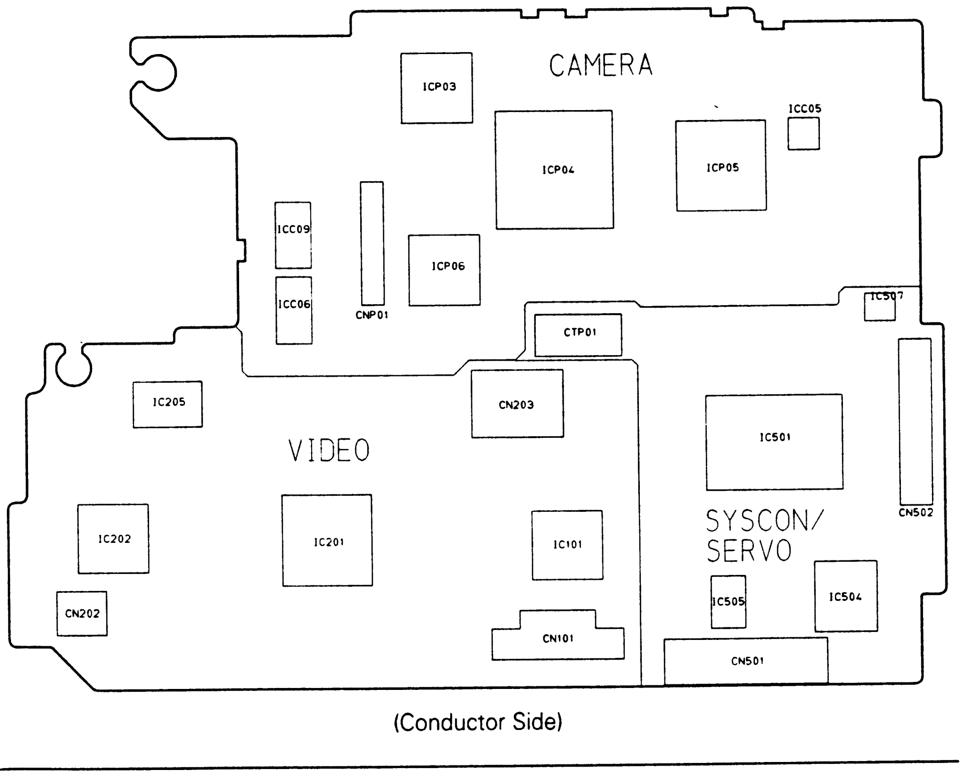
(Conductor Side)

◆ Block Identification of Main PCB



ICC02
CAMERA
ICP01
ICC01
ICC04
ICE01
ICP07
ICC08
CN503
ICP08
ICC07
IC502
SYSCON/
SERVO
IC204
CN201
VIDEO
IC503
IC102
IC203

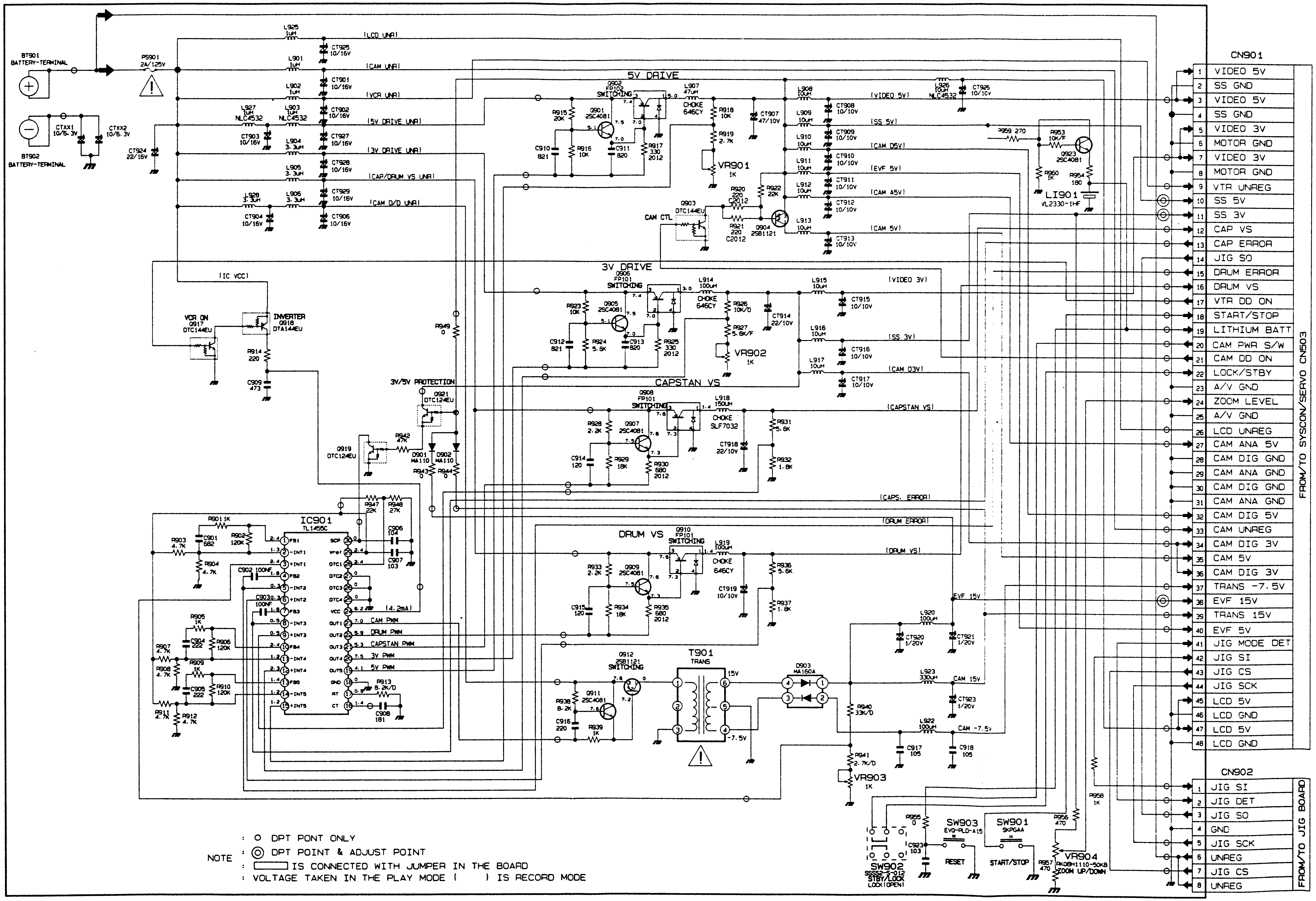
(Component Side)



ICP03
CAMERA
ICC05
ICP04
ICP05
ICC09
ICP06
ICC06
CNP01
CTP01
IC205
CN203
VIDEO
IC501
CN502
IC202
IC201
IC101
SYSCON/
SERVO
IC505
IC504
CN202
CN101
CN501

(Conductor Side)

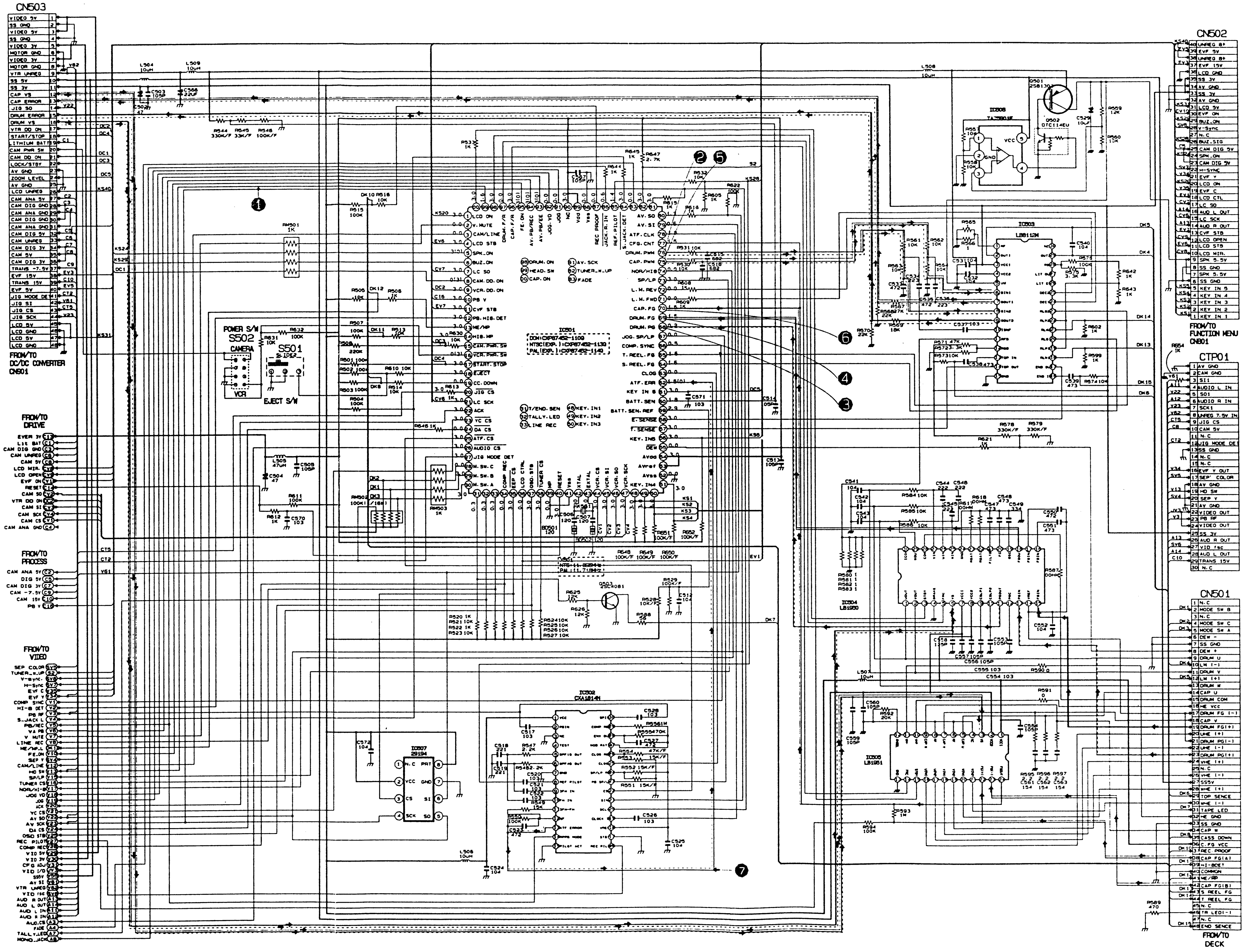
11-1 DC/DC Converter


BT901 BATTERY-TERMINAL
BT902 BATTERY-TERMINAL
PS901 2A/125V
5V DRIVE
3V DRIVE
CAPSTAN VS
DRUM VS
3V/5V PROTECTION
IC901 TL1455C
T901 TRANS
VCR ON Q917 DTC144EU
INVERTER Q918 DTA144EU
CAM CTL
VR901 1K
VR902 1K
VR903 1K
VR904
LI901 VL2330-1HF
SW901 START/STOP
SW902 STBY/LOCK
SW903 RESET
(LCD UNR)
(CAM UNR)
(VCR UNR)
(5V DRIVE UNR)
(3V DRIVE UNR)
(CAP/DRUM VS UNR)
(CAM D/D UNR)
(IC VCC)
(VIDEO 5V)
(SS 5V)
(CAM D5V)
(EVF 5V)
(CAM A5V)
(CAM 5V)
(VIDEO 3V)
(SS 3V)
(CAM D3V)
(CAPSTAN VS)
(CAPS. ERROR)
(DRUM ERROR)
(DRUM VS)
EVF 15V
CAM 15V
CAM -7.5V
CN901
1 VIDEO 5V
2 SS GND
3 VIDEO 5V
4 SS GND
5 VIDEO 3V
6 MOTOR GND
7 VIDEO 3V
8 MOTOR GND
9 VTR UNREG
10 SS 5V
11 SS 3V
12 CAP VS
13 CAP ERROR
14 JIG SO
15 DRUM ERROR
16 DRUM VS
17 VTR DD ON
18 START/STOP
19 LITHIUM BATT
20 CAM PWR S/W
21 CAM DD ON
22 LOCK/STBY
23 A/V GND
24 ZOOM LEVEL
25 A/V GND
26 LCD UNREG
27 CAM ANA 5V
28 CAM DIG GND
29 CAM ANA GND
30 CAM DIG GND
31 CAM ANA GND
32 CAM DIG 5V
33 CAM UNREG
34 CAM DIG 3V
35 CAM 5V
36 CAM DIG 3V
37 TRANS -7.5V
38 EVF 15V
39 TRANS 15V
40 EVF 5V
41 JIG MODE DET
42 JIG SI
43 JIG CS
44 JIG SCK
45 LCD 5V
46 LCD GND
47 LCD 5V
48 LCD GND
FROM/TO SYSCON/SERVO CN503
CN902
1 JIG SI
2 JIG DET
3 JIG SO
4 GND
5 JIG SCK
6 UNREG
7 JIG CS
8 UNREG
FROM/TO JIG BOARD

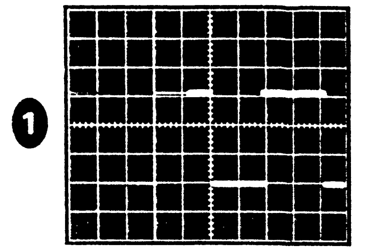
NOTE
: ○ DPT PONT ONLY
: ◎ DPT POINT & ADJUST POINT
: ▭ IS CONNECTED WITH JUMPER IN THE BOARD
: VOLTAGE TAKEN IN THE PLAY MODE ( ) IS RECORD MODE

11-2 System Control/Servo

DRUM SPEED CONTROL
DRUM PHASE CONTROL
CAPSTAN SPEED CONTROL
CAPSTAN PHASE CONTROL


CN503
FROM/TO DC/DC CONVERTER CN901
POWER S/W S502
CAMERA
VCR
S501
EJECT S/W
FROM/TO DRIVE
FROM/TO PROCESS
FROM/TO VIDEO
IC501
IC502
IC503
LB8112M
IC504
LB1950
IC505
LB1951
IC506
IC507
CN502
FROM/TO FUNCTION MENU CN801
CTP01
CN501
FROM/TO DECK

❶



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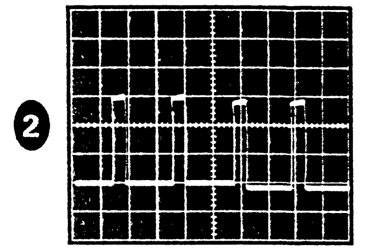

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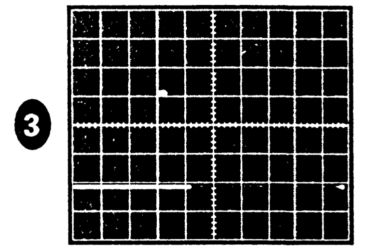

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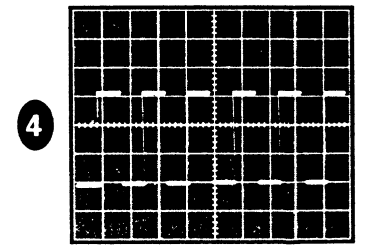

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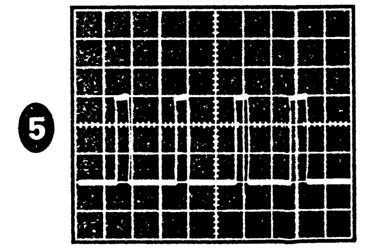

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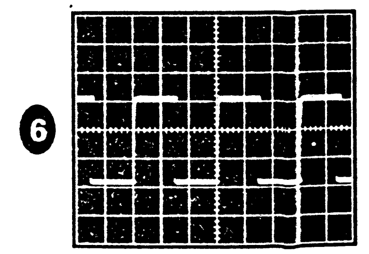
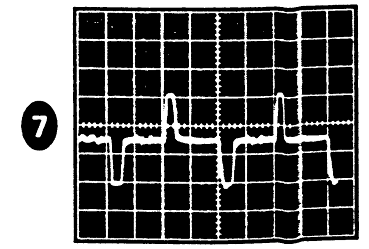
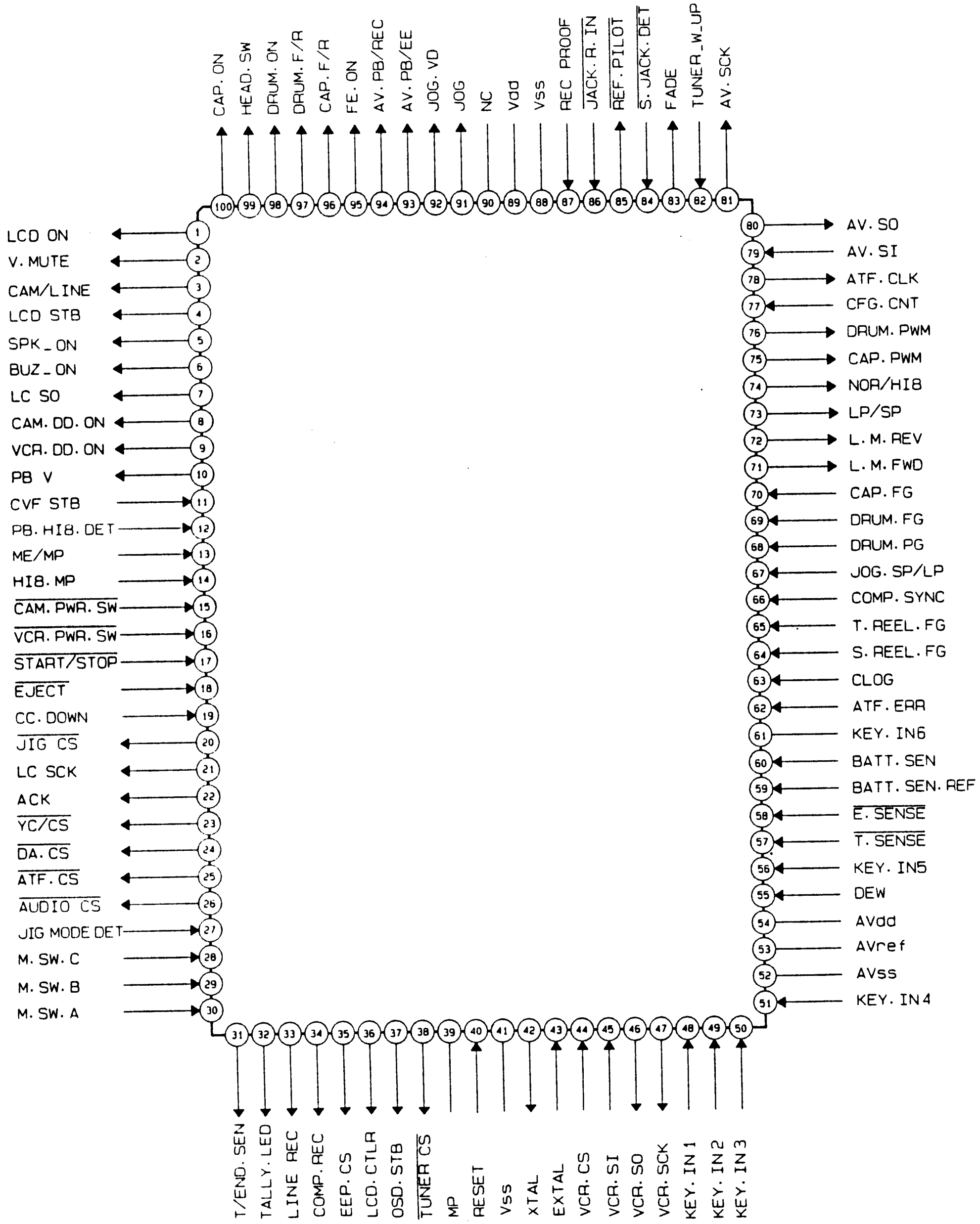


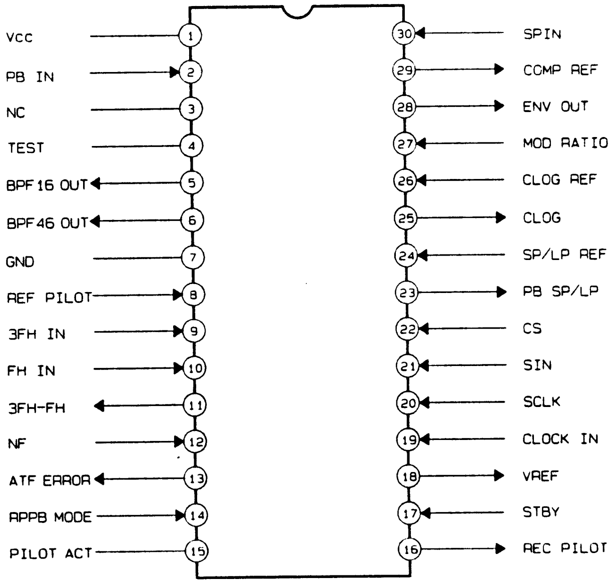
❼



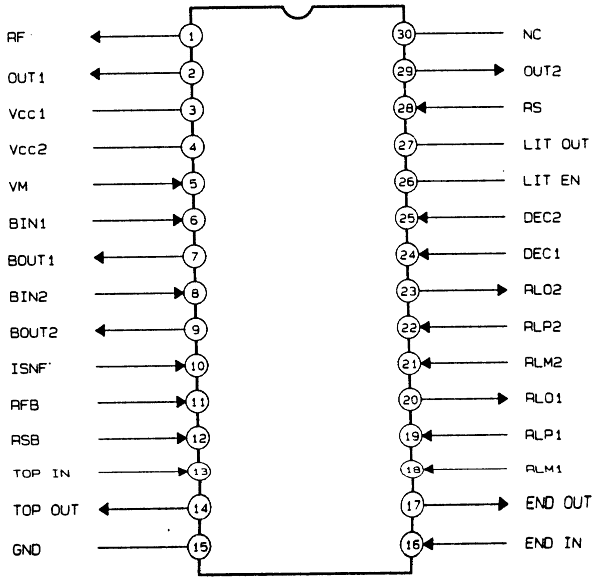
IC501 CXP87452-114Q


100 CAP.ON
99 HEAD.SW
98 DRUM.ON
97 DRUM.F/R
96 CAP.F/R
95 FE.ON
94 AV.PB/REC
93 AV.PB/EE
92 JOG.VD
91 JOG
90 NC
89 Vdd
88 Vss
87 REC PROOF
86 JACK.R.IN
85 REF.PILOT
84 S.JACK.DET
83 FADE
82 TUNER_W_UP
81 AV.SCK
1 LCD ON
2 V.MUTE
3 CAM/LINE
4 LCD STB
5 SPK_ON
6 BUZ_ON
7 LC SO
8 CAM.DD.ON
9 VCR.DD.ON
10 PB V
11 CVF STB
12 PB.HI8.DET
13 ME/MP
14 HI8.MP
15 CAM.PWR.SW
16 VCR.PWR.SW
17 START/STOP
18 EJECT
19 CC.DOWN
20 JIG CS
21 LC SCK
22 ACK
23 YC/CS
24 DA.CS
25 ATF.CS
26 AUDIO CS
27 JIG MODE DET
28 M.SW.C
29 M.SW.B
30 M.SW.A
80 AV.SO
79 AV.SI
78 ATF.CLK
77 CFG.CNT
76 DRUM.PWM
75 CAP.PWM
74 NOR/HI8
73 LP/SP
72 L.M.REV
71 L.M.FWD
70 CAP.FG
69 DRUM.FG
68 DRUM.PG
67 JOG.SP/LP
66 COMP.SYNC
65 T.REEL.FG
64 S.REEL.FG
63 CLOG
62 ATF.ERR
61 KEY.IN6
60 BATT.SEN
59 BATT.SEN.REF
58 E.SENSE
57 T.SENSE
56 KEY.IN5
55 DEW
54 AVdd
53 AVref
52 AVss
51 KEY.IN4
31 T/END.SEN
32 TALLY.LED
33 LINE REC
34 COMP.REC
35 EEP.CS
36 LCD.CTLR
37 OSD.STB
38 TUNER CS
39 MP
40 RESET
41 Vss
42 XTAL
43 EXTAL
44 VCR.CS
45 VCR.SI
46 VCR.SO
47 VCR.SCK
48 KEY.IN1
49 KEY.IN2
50 KEY.IN3

IC502 CXA1814N

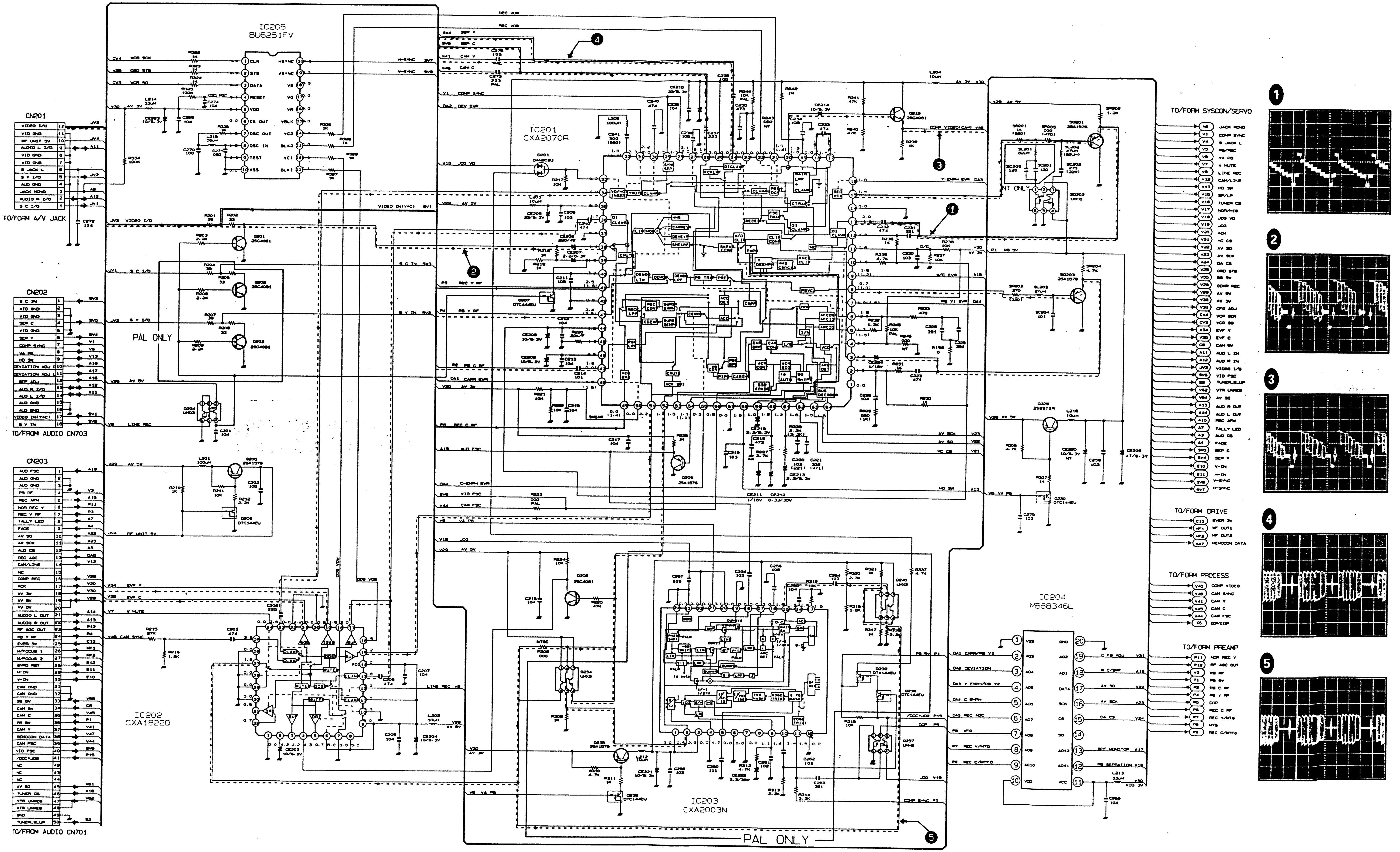

1 Vcc
2 PB IN
3 NC
4 TEST
5 BPF16 OUT
6 BPF46 OUT
7 GND
8 REF PILOT
9 3FH IN
10 FH IN
11 3FH-FH
12 NF
13 ATF ERROR
14 APPB MODE
15 PILOT ACT
30 SPIN
29 COMP REF
28 ENV OUT
27 MOD RATIO
26 CLOG REF
25 CLOG
24 SP/LP REF
23 PB SP/LP
22 CS
21 SIN
20 SCLK
19 CLOCK IN
18 VREF
17 STBY
16 REC PILOT

IC503 LB8112M

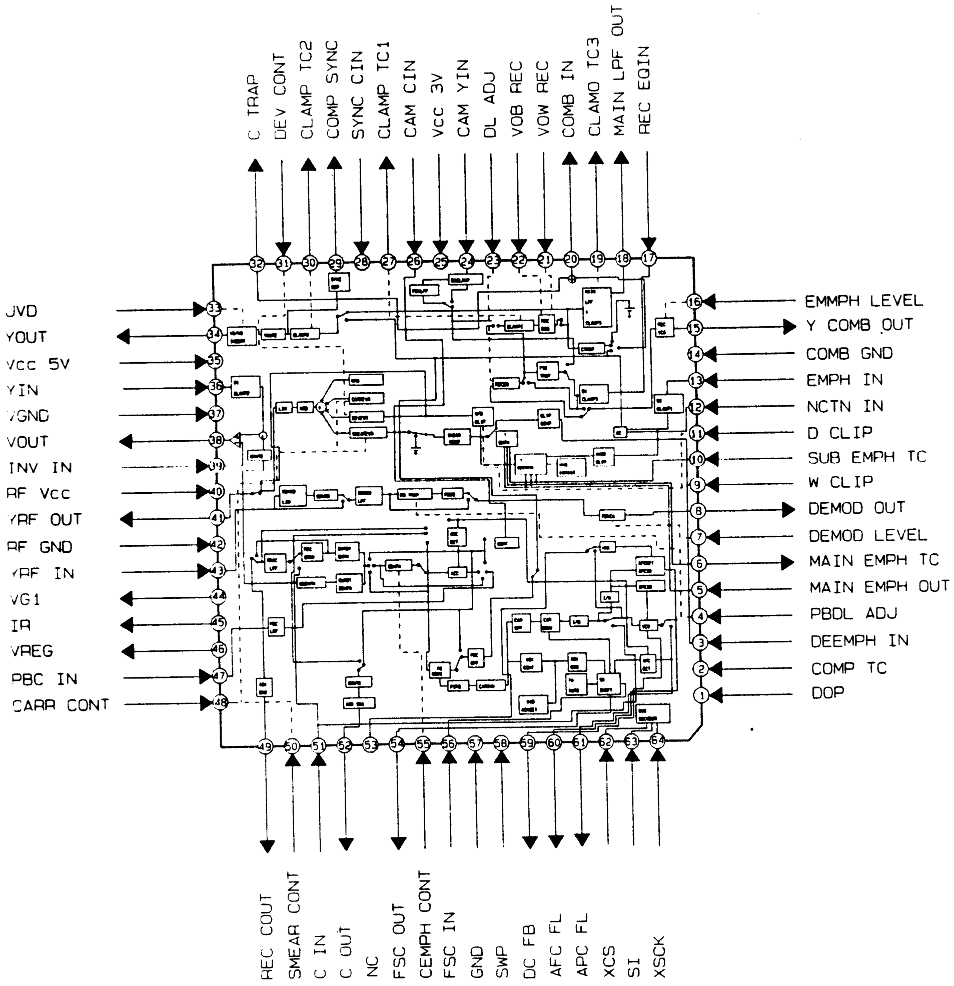

1 RF
2 OUT1
3 Vcc1
4 Vcc2
5 VM
6 BIN1
7 BOUT1
8 BIN2
9 BOUT2
10 ISNF
11 RFB
12 RSB
13 TOP IN
14 TOP OUT
15 GND
30 NC
29 OUT2
28 RS
27 LIT OUT
26 LIT EN
25 DEC2
24 DEC1
23 RLO2
22 RLP2
21 RLM2
20 RLO1
19 RLP1
18 RLM1
17 END OUT
16 END IN

Video (VP-L90)

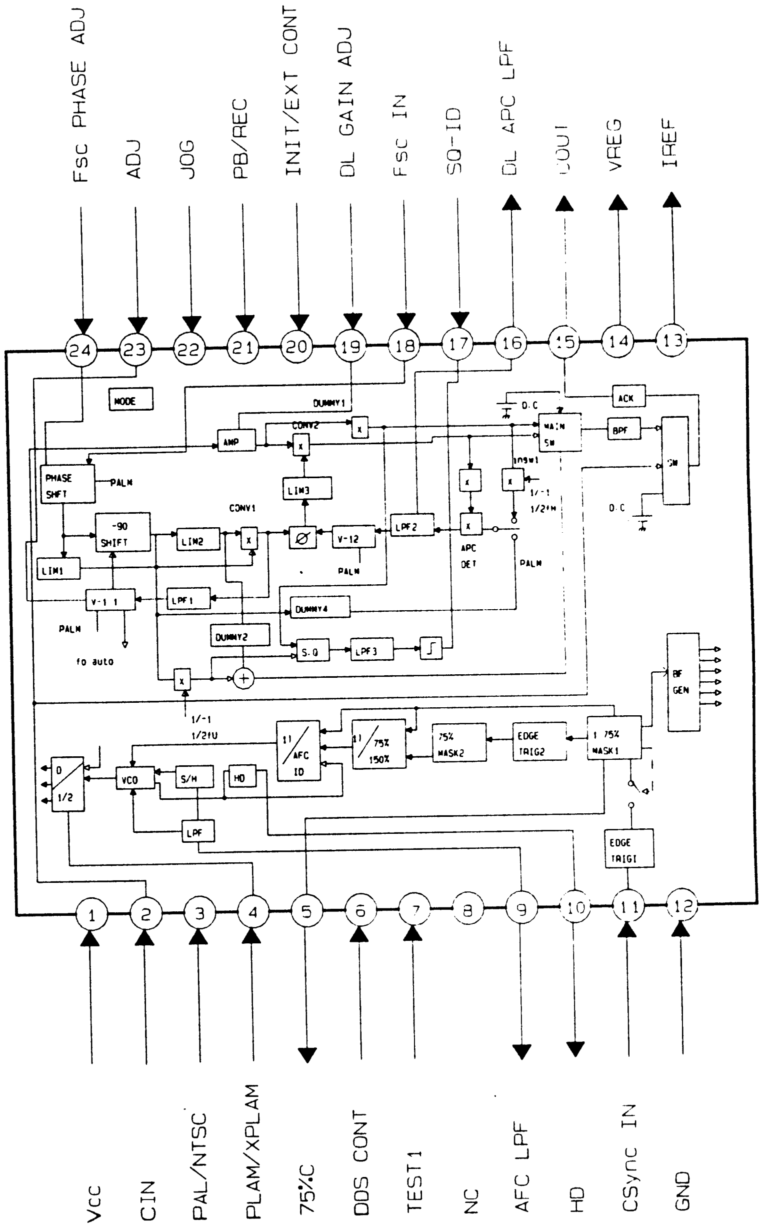
——— REC Y PROCESS
- - - - PB Y PROCESS
——— REC C PROCESS
- - - - PB C PROCESS
——— COMPOSITE VIDEO PB SIGNAL
- - - - COMPOSITE VIDEO REC SIGNAL


IC205
BU6251FV
IC201
CXA2070R
IC202
CXA1822Q
IC203
CXA2003N
IC204
MB88346L
CN201
TO/FORM A/V JACK
CN202
TO/FROM AUDIO CN703
CN203
TO/FROM AUDIO CN701
TO/FORM SYSCON/SERVO
TO/FORM DRIVE
TO/FORM PROCESS
TO/FORM PREAMP
PAL ONLY
NT ONLY
1
2
3
4
5

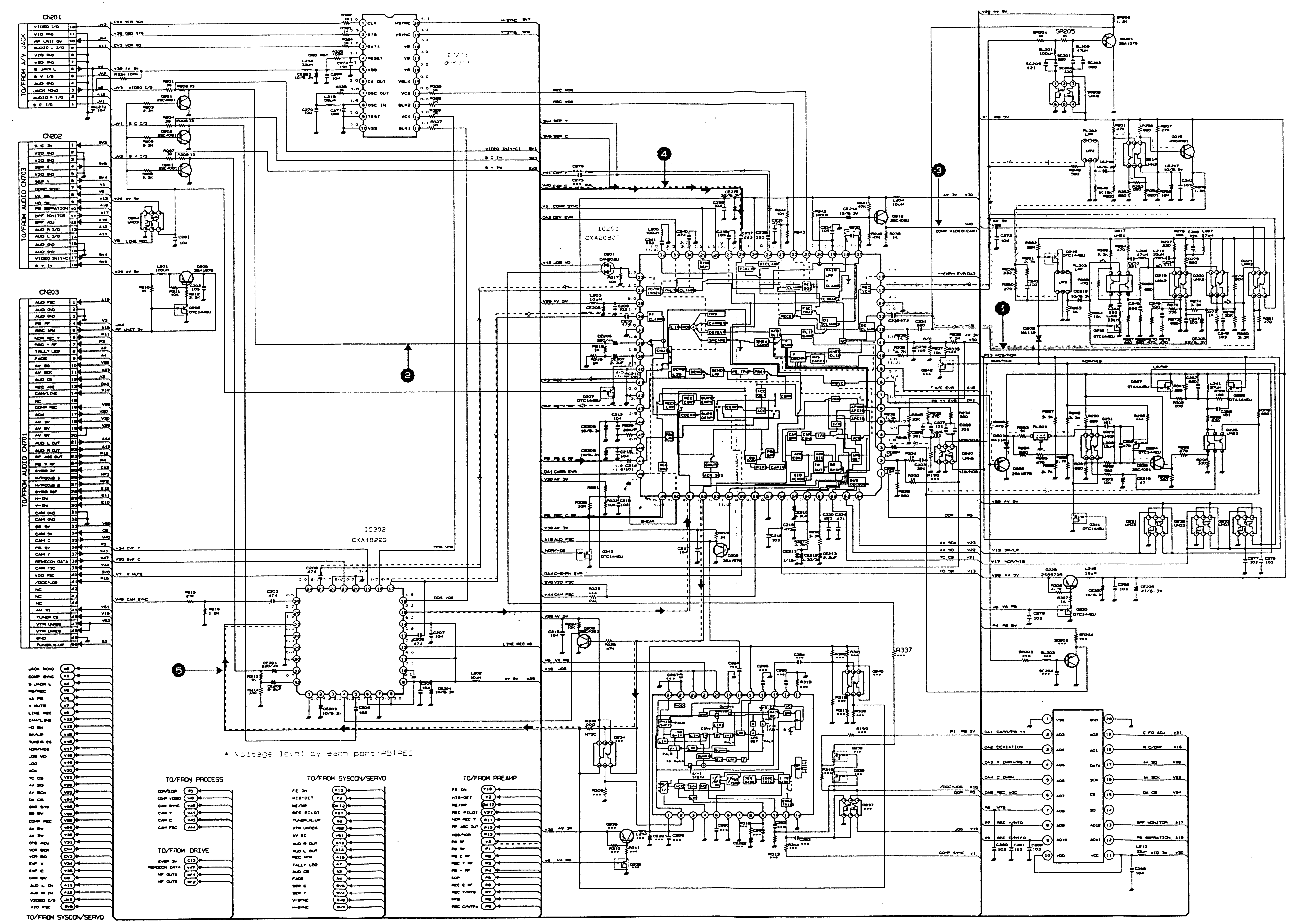
IC201 CXA2070R

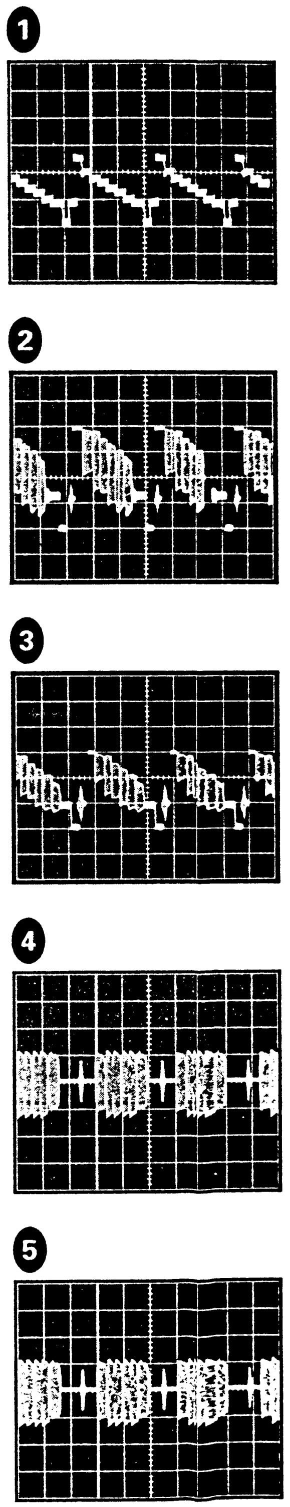

C TRAP
DEV CONT
CLAMP TC2
COMP SYNC
SYNC CIN
CLAMP TC1
CAM CIN
Vcc 3V
CAM YIN
DL ADJ
VOB REC
VOW REC
COMB IN
CLAMO TC3
MAIN LPF OUT
REC EQIN
JVD
YOUT
Vcc 5V
YIN
YGND
VOUT
INV IN
RF Vcc
YRF OUT
RF GND
YRF IN
VG1
IR
VREG
PBC IN
CARR CONT
EMMPH LEVEL
Y COMB OUT
COMB GND
EMPH IN
NCTN IN
D CLIP
SUB EMPH TC
W CLIP
DEMOD OUT
DEMOD LEVEL
MAIN EMPH TC
MAIN EMPH OUT
PBDL ADJ
DEEMPH IN
COMP TC
DOP
REC COUT
SMEAR CONT
C IN
C OUT
NC
FSC OUT
CEMPH CONT
FSC IN
GND
SWP
DC FB
AFC FL
APC FL
XCS
SI
XSCK

IC203 CXA2003N

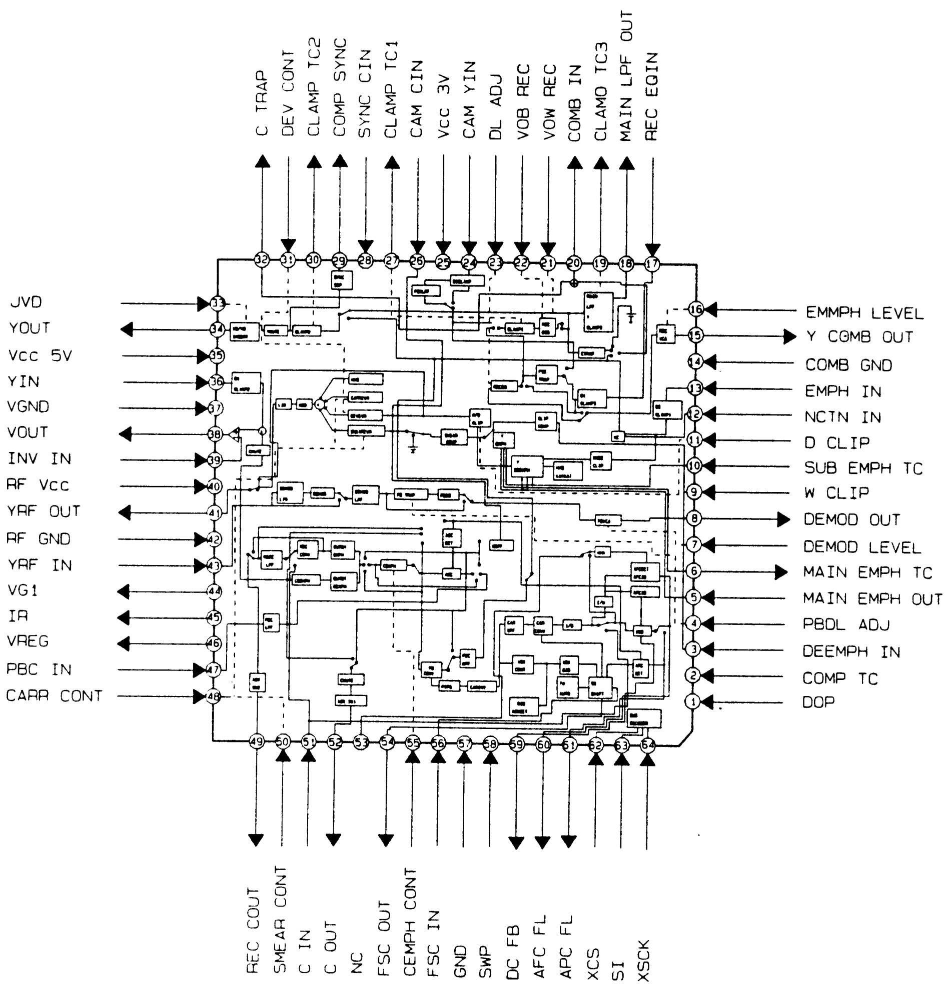

Fsc PHASE ADJ
ADJ
JOG
PB/REC
INIT/EXT CONT
DL GAIN ADJ
Fsc IN
SQ-ID
DL APC LPF
COUT
VREG
IREF
Vcc
CIN
PAL/NTSC
PLAM/XPLAM
75%C
DDS CONT
TEST1
NC
AFC LPF
HD
CSync IN
GND
MODE
PHASE SHFT
PALM
-90 SHIFT
LIM1
LIM2
LIM3
CONV1
CONV2
DUMMY1
DUMMY2
DUMMY4
AMP
V-12
LPF1
LPF2
LPF3
S.Q
APC DET
V-1 1
fo auto
MAIN SW
BPF
ACK
D.C
1/-1
1/2fH
1/2fU
D
1/2
VCO
S/H
HD
LPF
AFC ID
75% 150%
75% MASK2
EDGE TRIG2
1 75% MASK1
EDGE TRIG1
BF GEN

------------ PB Y PROCESS
------------ PB C PROCESS


CN201
TO/FROM A/V JACK
CN202
TO/FROM AUDIO CN703
CN203
TO/FROM AUDIO CN701
IC201
CXA2080R
IC202
CXA1822Q
SR205
R337
* Voltage level by each port:PB(REC
TO/FROM PROCESS
TO/FROM SYSCON/SERVO
TO/FROM PREAMP
TO/FROM DRIVE
TO/FROM SYSCON/SERVO
❶
❷
❸
❹
❺



IC201 CXA2080R


C TRAP
DEV CONT
CLAMP TC2
COMP SYNC
SYNC CIN
CLAMP TC1
CAM CIN
Vcc 3V
CAM YIN
DL ADJ
VOB REC
VOW REC
COMB IN
CLAMO TC3
MAIN LPF OUT
REC EQIN
JVD
YOUT
Vcc 5V
YIN
VGND
VOUT
INV IN
RF Vcc
YRF OUT
RF GND
YRF IN
VG1
IR
VREG
PBC IN
CARR CONT
EMMPH LEVEL
Y COMB OUT
COMB GND
EMPH IN
NCTN IN
D CLIP
SUB EMPH TC
W CLIP
DEMOD OUT
DEMOD LEVEL
MAIN EMPH TC
MAIN EMPH OUT
PBDL ADJ
DEEMPH IN
COMP TC
DOP
REC COUT
SMEAR CONT
C IN
C OUT
NC
FSC OUT
CEMPH CONT
FSC IN
GND
SWP
DC FB
AFC FL
APC FL
XCS
SI
XSCK
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
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21
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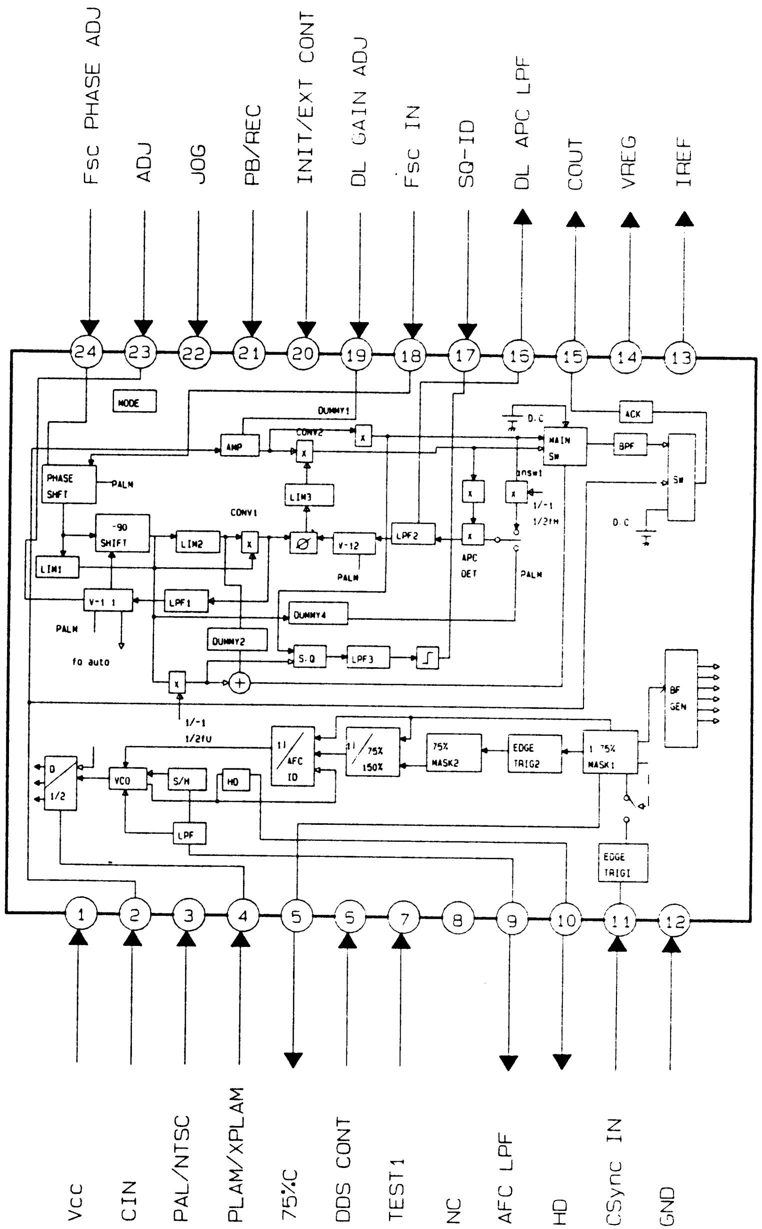
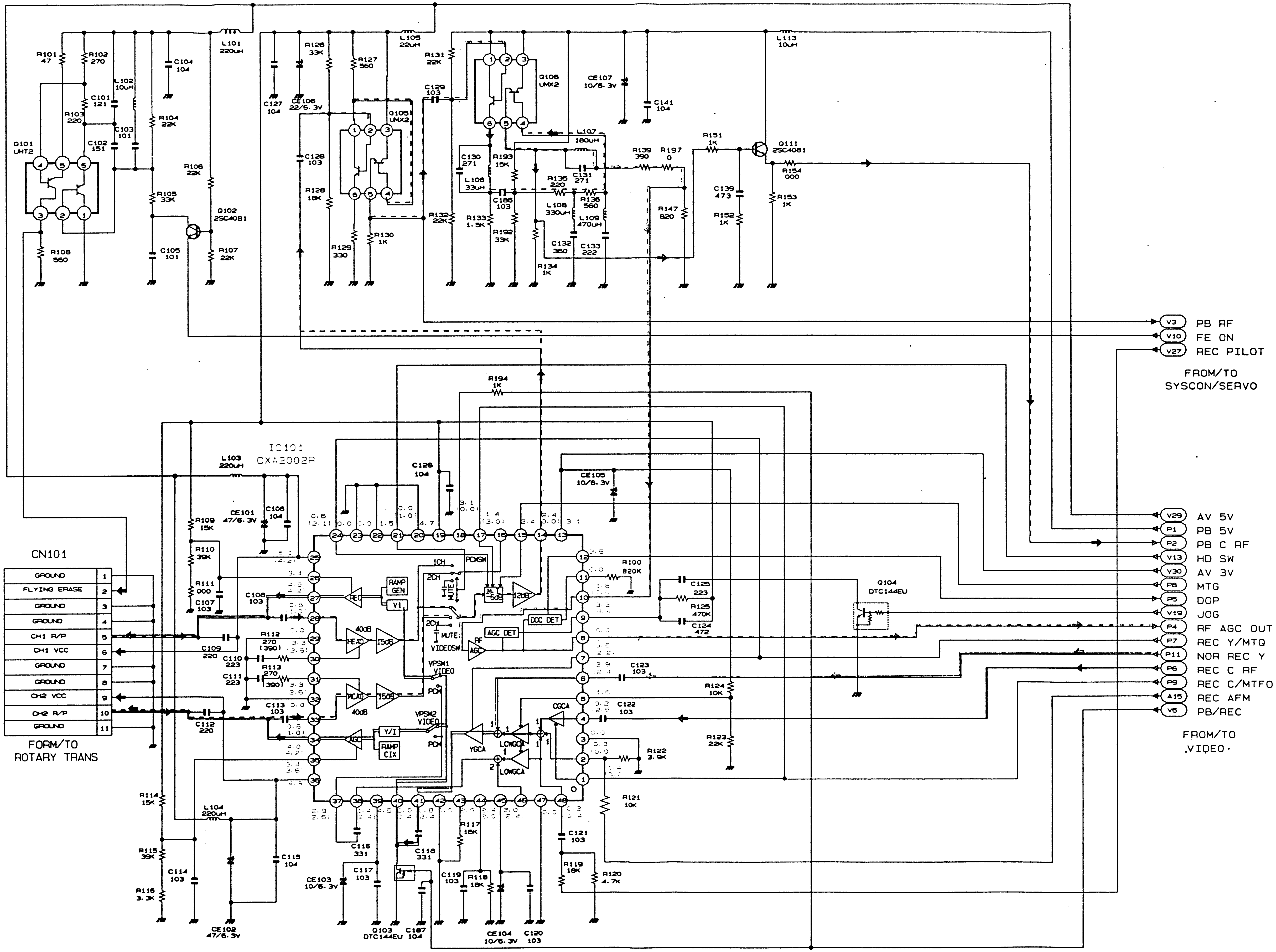
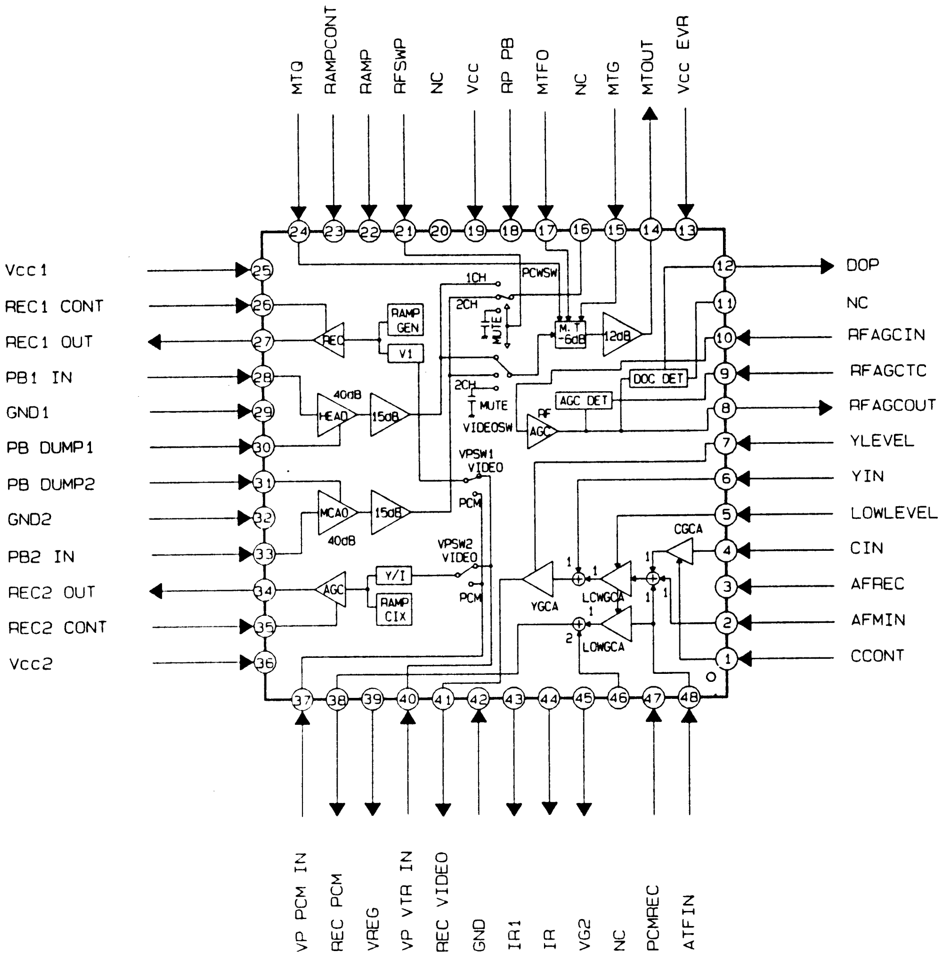
IC203 CXA2003N


Fsc PHASE ADJ
ADJ
JOG
PB/REC
INIT/EXT CONT
DL GAIN ADJ
Fsc IN
SQ-ID
DL APC LPF
COUT
VREG
IREF
Vcc
CIN
PAL/NTSC
PLAM/XPLAM
75%C
DDS CONT
TEST1
NC
AFC LPF
HD
CSync IN
GND
24
23
22
21
20
19
18
17
16
15
14
13
1
2
3
4
5
5
7
8
9
10
11
12
MODE
DUMMY1
CONV2
AMP
X
MAIN SW
BPF
ACK
SW
D.C
PHASE SHFT
PALM
LIM3
CONV1
-90 SHIFT
LIM2
Ø
V-12
LPF2
APC DET
DNSW1
1/-1
1/2fH
LIM1
V-1 1
LPF1
DUMMY4
DUMMY2
S.Q
LPF3
fo auto
BF GEN
1/-1
1/2fU
11 / AFC ID
11 / 75% 150%
75% MASK2
EDGE TRIG2
1 75% MASK1
D
1/2
VCO
S/H
HD
LPF
EDGE TRIG1

——— REC Y PROCESS
- - - - PB Y PROCESS
——— REC C PROCESS
- - - - PB C PROCESS
——— REC COMPOSITE SIGNAL
- - - - PB COMPOSITE SIGNAL


R101 47
R102 270
R103 220
L102 10uH
C101 121
C102 151
C103 101
C104 104
L101 220uH
R104 22K
R105 33K
R106 22K
Q101 UMT2
Q102 2SC4081
R107 22K
R108 560
C105 101
R126 33K
R127 560
C127 104
CE106 22/6.3V
Q105 UMX2
C128 103
R128 18K
R129 330
R130 1K
L105 22uH
R131 22K
C129 103
Q106 UMX2
CE107 10/6.3V
C141 104
L107 180uH
C130 271
R193 15K
L106 33uH
C186 103
R135 220
C131 271
L108 330uH
R136 560
L109 470uH
R132 22K
R133 1.8K
R192 33K
C132 360
C133 222
R134 1K
R139 390
R197 0
R147 820
L113 10uH
R151 1K
Q111 2SC4081
R154 000
C139 473
R152 1K
R153 1K
R194 1K
IC101 CXA2002R
L103 220uH
C126 104
CE105 10/6.3V
CE101 47/6.3V
C106 104
R109 15K
R110 39K
R111 000
C107 103
C108 103
R112 270 (390)
C109 220
C110 223
R113 270 (390)
C111 223
C113 103
C112 220
R100 820K
C125 223
R125 470K
C124 472
Q104 DTC144EU
C123 103
R124 10K
C122 103
R123 22K
R122 3.9K
R121 10K
C121 103
R119 18K
R120 4.7K
R114 15K
L104 220uH
R115 39K
C114 103
R116 3.3K
CE102 47/6.3V
C115 104
C116 331
CE103 10/6.3V
C117 103
C118 331
Q103 DTC144EU
C187 104
R117 18K
C119 103
R118 18K
CE104 10/6.3V
C120 103
1CH
2CH
PCMSW
MUTE
RAMP GEN
V1
REC
40dB
HEAD
15dB
AGC DET
DOC DET
RF AGC
VIDEOSW
VPSW1 VIDEO
PCM
PCAO
VPSW2 VIDEO
Y/I
AGC
RAMP CIX
YGCA
LOWGCA
CGCA
M 6dB
20dB
CN101
1 GROUND
2 FLYING ERASE
3 GROUND
4 GROUND
5 CH1 R/P
6 CH1 VCC
7 GROUND
8 GROUND
9 CH2 VCC
10 CH2 R/P
11 GROUND
FORM/TO ROTARY TRANS
V3 PB RF
V10 FE ON
V27 REC PILOT
FROM/TO SYSCON/SERVO
V29 AV 5V
P1 PB 5V
P2 PB C RF
V13 HD SW
V30 AV 3V
P8 MTG
P5 DOP
V19 JOG
P4 RF AGC OUT
P7 REC Y/MTQ
P11 NOR REC Y
P6 REC C RF
P9 REC C/MTFO
A15 REC AFM
V5 PB/REC
FROM/TO VIDEO

IC101 CXA2002R


MTQ
RAMPCONT
RAMP
RFSWP
NC
Vcc
RP PB
MTFO
NC
MTG
MTOUT
Vcc EVR
Vcc1
REC1 CONT
REC1 OUT
PB1 IN
GND1
PB DUMP1
PB DUMP2
GND2
PB2 IN
REC2 OUT
REC2 CONT
Vcc2
DOP
NC
RFAGCIN
RFAGCTC
RFAGCOUT
YLEVEL
YIN
LOWLEVEL
CIN
AFREC
AFMIN
CCONT
VP PCM IN
REC PCM
VREG
VP VTR IN
REC VIDEO
GND
IR1
IR
VG2
NC
PCMREC
ATFIN
1CH
2CH
PCWSW
RAMP GEN
V1
REC
MUTE
M.T -6dB
12dB
DOC DET
AGC DET
RF AGC
40dB
HEAD
15dB
MUTE
VIDEOSW
VPSW1
VIDEO
PCM
MCAO
15dB
40dB
VPSW2
VIDEO
PCM
AGC
Y/I
RAMP CIX
YGCA
LCWGCA
LOWGCA
CGCA
1
2
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
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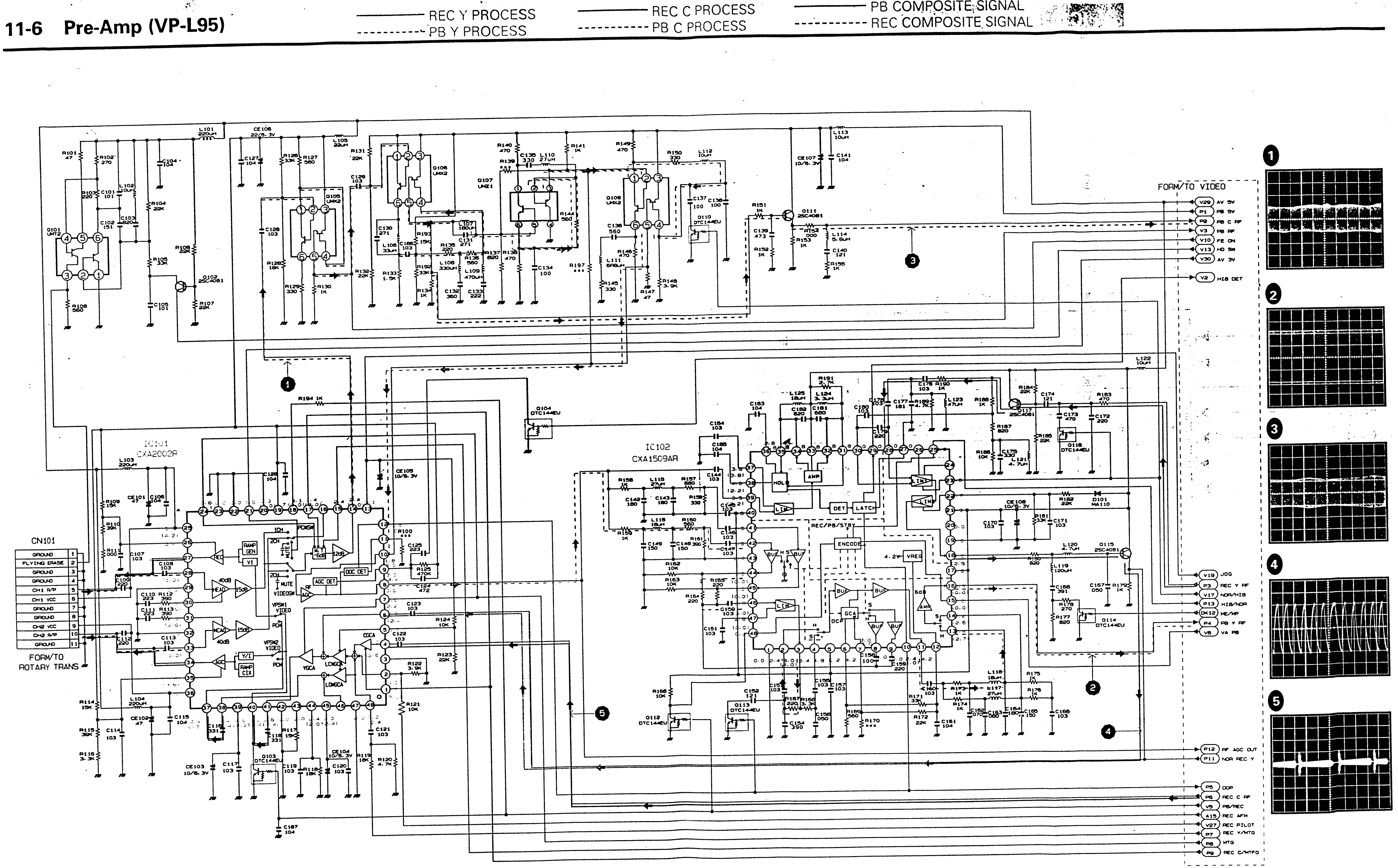
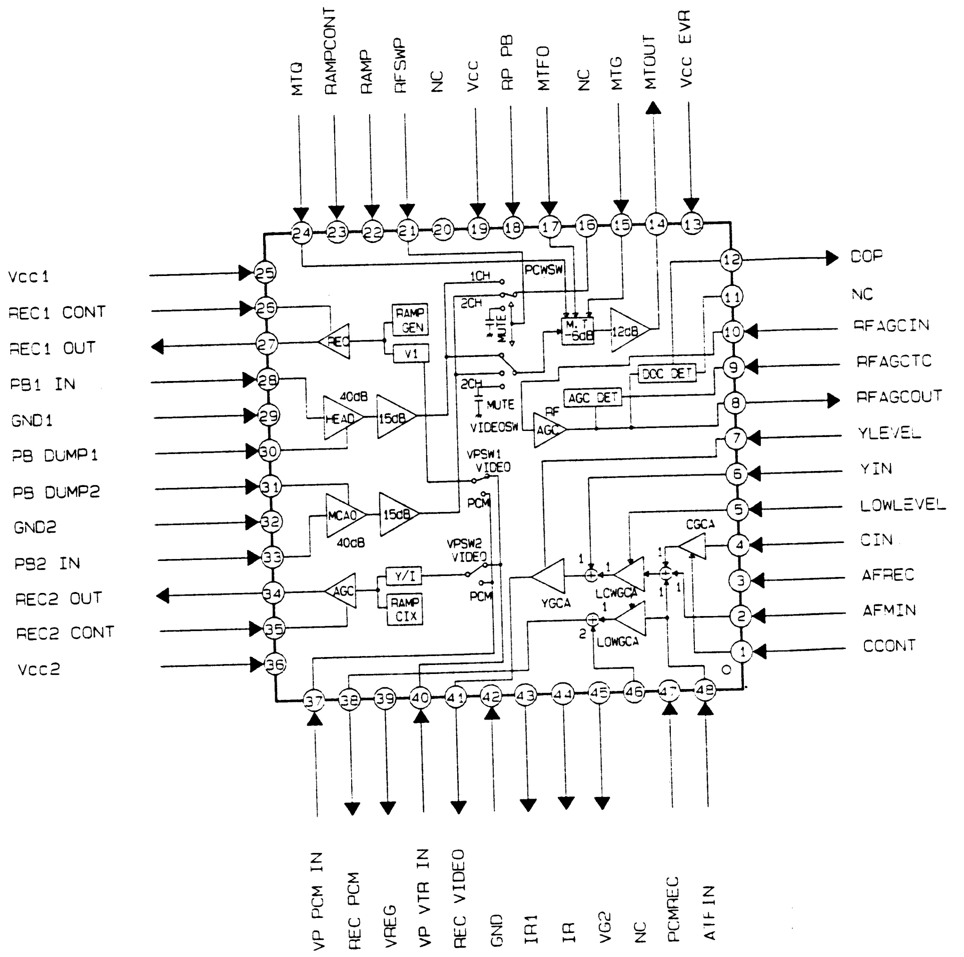
48

11-6 Pre-Amp (VP-L95)

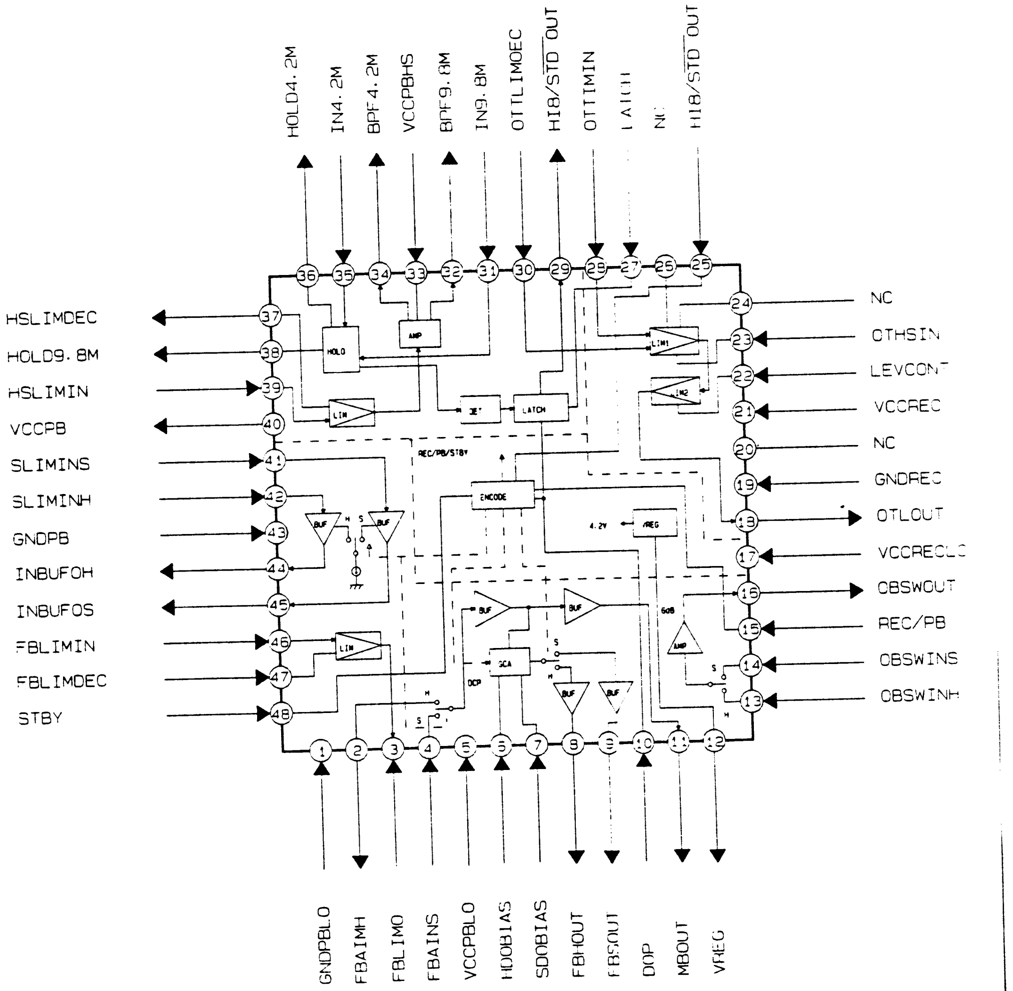


REC Y PROCESS
PB Y PROCESS
REC C PROCESS
PB C PROCESS
PB COMPOSITE SIGNAL
REC COMPOSITE SIGNAL
IC101
CXA2002P
IC102
CXA1509AR
CN101
GROUND
FLYING ERASE
GROUND
GROUND
CH1 R/P
CH1 VCC
GROUND
GROUND
CH2 VCC
CH2 R/P
GROUND
FORM/TO ROTARY TRANS
FORM/TO VIDEO
V29 AV 5V
P1 PB 5V
P2 PB C RF
V3 PB RF
V10 FE ON
V13 HD SW
V30 AV 3V
V2 HI8 DET
V19 JOG
P3 REC Y RF
V17 NOR/HI8
P13 HI8/NOR
CK12 ME/MP
P4 PB Y RF
V6 VA PB
P12 RF AGC OUT
P11 NOR REC Y
P5 DOP
P6 REC C RF
V5 PB/REC
A15 REC AFM
V27 REC PILOT
P7 REC Y/MTO
P8 MTG
P9 REC C/MTFO
Q101 UMT2
Q102 2SC4081
Q103 DTC144EU
Q104 DTC144EU
Q105 UMX2
Q106 UMX2
Q107 UMZ1
Q109 UMX2
Q110 DTC144EU
Q111 2SC4081
Q112 DTC144EU
Q113 DTC144EU
Q114 DTC144EU
Q115 2SC4081
Q116 DTC144EU
Q117 2SC4081
D101 MA110
RAMP GEN
REC
HEAD
40dB
15dB
AGC
Y/I
RAMP CIX
YGCA
LCWGCA
LOWGCA
CGCA
DOC DET
AGC DET
VIDEOSW
MUTE
VPSW1 VIDEO
VPSW2 VIDEO
HOLD
AMP
DET
LATCH
LIM
ENCODE
REC/PB/STBY
VREG
BUF
GCA
DOP
AMP
1
2
3
4
5

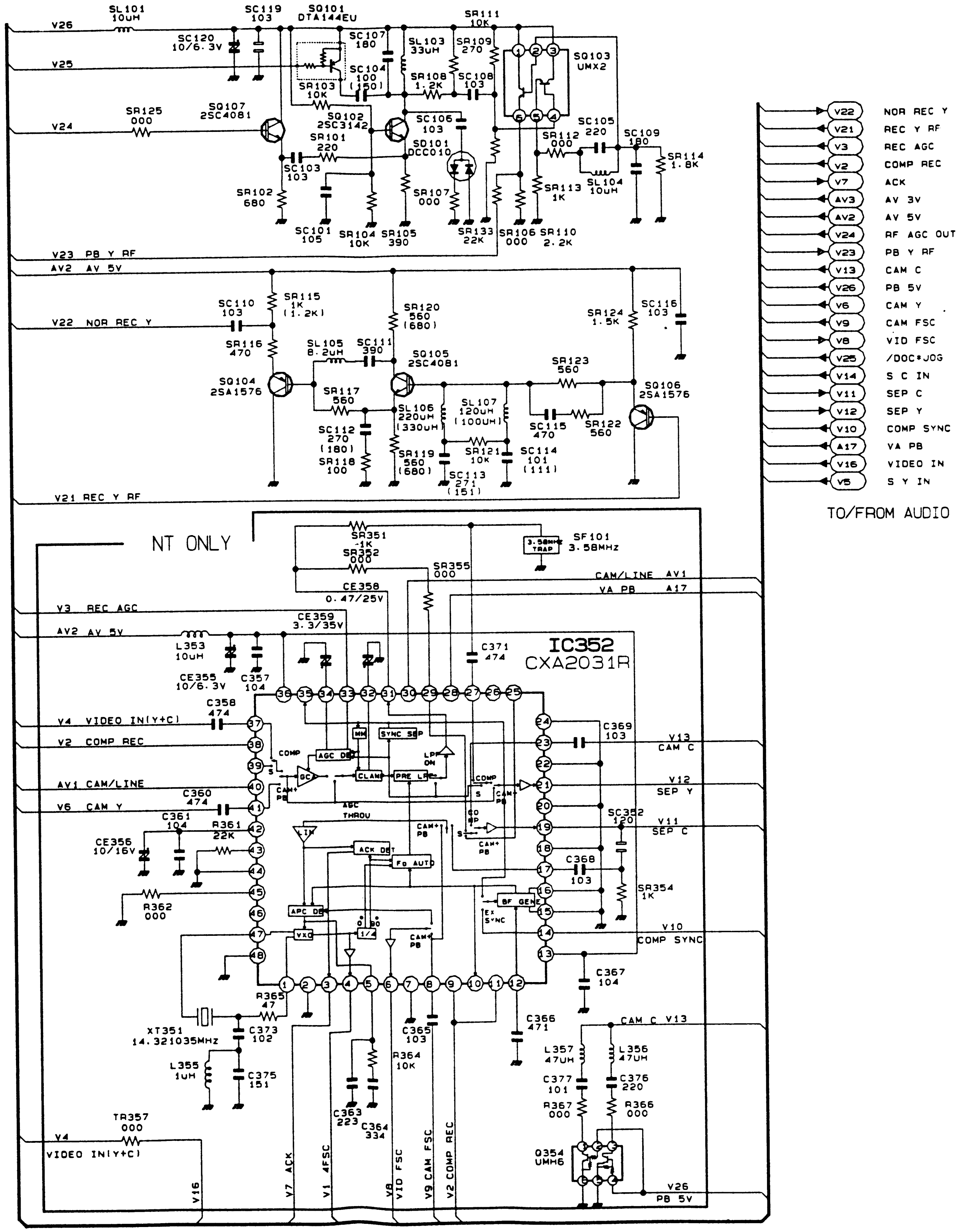
IC101 CXA2002R


MTQ
RAMPCONT
RAMP
RFSWP
NC
VCC
RP PB
MTFO
NC
MTG
MTOUT
Vcc EVR
Vcc1
REC1 CONT
REC1 OUT
PB1 IN
GND1
PB DUMP1
PB DUMP2
GND2
PB2 IN
REC2 OUT
REC2 CONT
Vcc2
DOP
NC
RFAGCIN
RFAGCTC
RFAGCOUT
YLEVEL
YIN
LOWLEVEL
CIN
AFREC
AFMIN
CCONT
VP PCM IN
REC PCM
VREG
VP VTR IN
REC VIDEO
GND
IR1
IR
VG2
NC
PCMREC
AIF IN
REC
RAMP GEN
V1
HEAD
40dB
15dB
MCAO
AGC
Y/I
RAMP CIX
1CH
2CH
PCWSW
MUTE
-6dB
12dB
DOC DET
AGC DET
RF AGC
VIDEOSW
VPSW1 VIDEO
PCM
VPSW2 VIDEO
YGCA
LOWGCA
CGCA

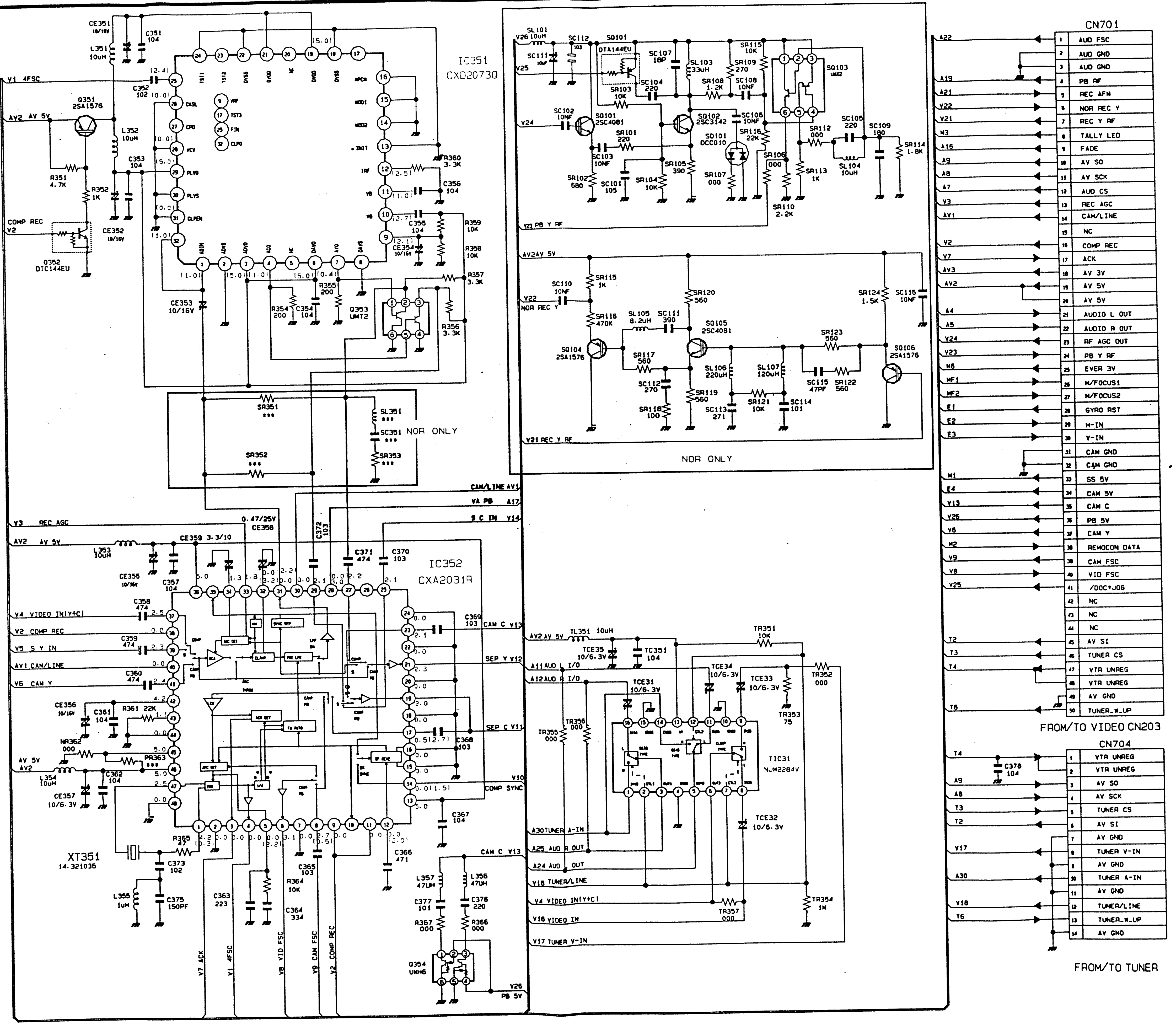
IC102 CXA1509AR


HOLD4.2M
IN4.2M
BPF4.2M
VCCPBHS
BPF9.8M
IN9.8M
OTTLIMOEC
HI8/STD OUT
OTTIMIN
LATCH
NC
HI8/STD OUT
HSLIMDEC
HOLD9.8M
HSLIMIN
VCCPB
SLIMINS
SLIMINH
GNDPB
INBUFOH
INBUFOS
FBLIMIN
FBLIMDEC
STBY
NC
OTHSIN
LEVCONT
VCCREC
NC
GNDREC
OTLOUT
VCCRECLC
OBSWOUT
REC/PB
OBSWINS
OBSWINH
GNDPBLO
FBAIMH
FBLIMO
FBAINS
VCCPBLO
HDOBIAS
SDOBIAS
FBHOUT
FBSOUT
DOP
MBOUT
VREG
HOLD
AMP
LIM
LIM1
LIM2
LATCH
ENCODE
REC/PB/STBY
BUF
SCA
AMP
4.2V
AREG
6dB

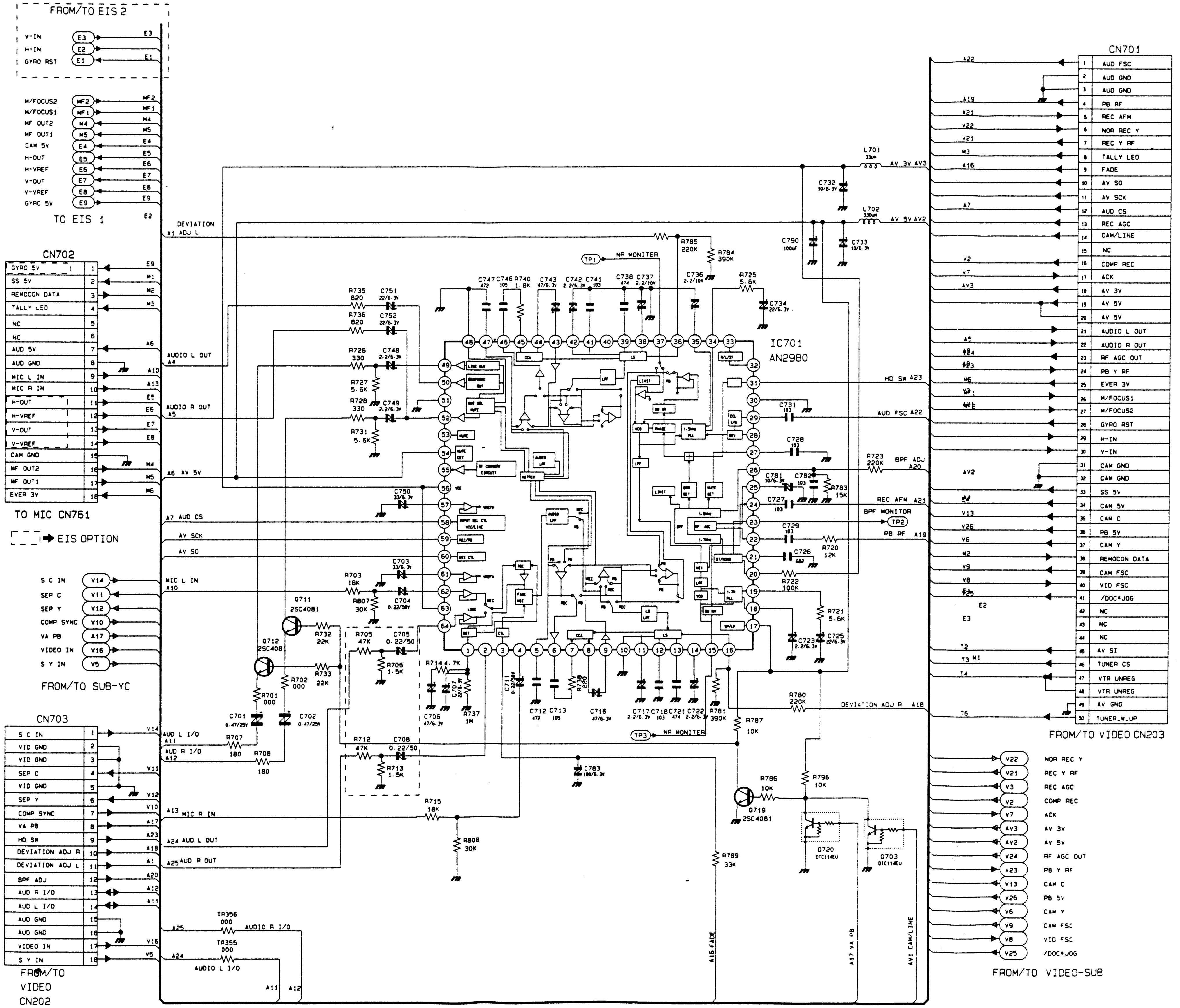
11-7 Video-Sub (VP-L90)


SL101 10uH
SC119 103
SQ101 DTA144EU
SR111 10K
V26
SC120 10/6.3V
SC107 180
SL103 33uH
SR109 270
SQ103 UMX2
V25
SC104 100 (150)
SR108 1.2K
SC108 103
SR103 10K
SR125 000
SQ107 2SC4081
SQ102 2SC3142
SC106 103
SC105 220
SC109 180
V24
SR101 220
SD101 DCC010
SR112 000
SR114 1.8K
SC103 103
SR113 1K
SL104 10uH
SR102 680
SR107 000
SC101 105
SR104 10K
SR105 390
SR133 22K
SR106 000
SR110 2.2K
V23 PB Y RF
AV2 AV 5V
SC110 103
SR115 1K (1.2K)
SR120 560 (680)
SR124 1.5K
SC116 103
V22 NOR REC Y
SR116 470
SL105 8.2uH
SC111 390
SQ105 2SC4081
SR123 560
SQ104 2SA1576
SR117 560
SQ106 2SA1576
SL106 220uH (330uH)
SL107 120uH (100uH)
SC112 270 (180)
SC115 470
SR122 560
SR118 100
SR119 560 (680)
SR121 10K
SC114 101 (111)
SC113 271 (151)
V21 REC Y RF
NT ONLY
SR351 -1K
SR352 000
SF101 3.58MHz
3.58MHz TRAP
SR355 000
CAM/LINE AV1
VA PB A17
CE358 0.47/25V
V3 REC AGC
CE359 3.3/35V
AV2 AV 5V
C371 474
IC352
CXA2031R
L353 10uH
CE355 10/6.3V
C357 104
C358 474
V4 VIDEO IN(Y+C)
V2 COMP REC
C369 103
V13 CAM C
AV1 CAM/LINE
V12 SEP Y
C360 474
V6 CAM Y
C361 104
SC352 120
V11 SEP C
R361 22K
CE356 10/16V
C368 103
SR354 1K
R362 000
V10 COMP SYNC
C367 104
R365 47
XT351 14.321035MHz
C373 102
C365 103
C366 471
CAM C V13
L355 1uH
C375 151
R364 10K
L357 47uH
L356 47uH
C363 223
C364 334
C377 101
C376 220
TR357 000
R367 000
R366 000
V4
VIDEO IN(Y+C)
V16
V7 ACK
V1 4FSC
V8 VID FSC
V9 CAM FSC
V2 COMP REC
Q354 UMH6
V26 PB 5V
AGC DET
SYNC SEP
CLAMP
PRE LPF
LPF ON
COMP
AGC THROU
CAM PB
ACK DET
F0 AUTO
APC DET
VXO
1/4
BF GEN
EX SYNC
V22 NOR REC Y
V21 REC Y RF
V3 REC AGC
V2 COMP REC
V7 ACK
AV3 AV 3V
AV2 AV 5V
V24 RF AGC OUT
V23 PB Y RF
V13 CAM C
V26 PB 5V
V6 CAM Y
V9 CAM FSC
V8 VID FSC
V25 /DOC*JOG
V14 S C IN
V11 SEP C
V12 SEP Y
V10 COMP SYNC
A17 VA PB
V16 VIDEO IN
V5 S Y IN
TO/FROM AUDIO

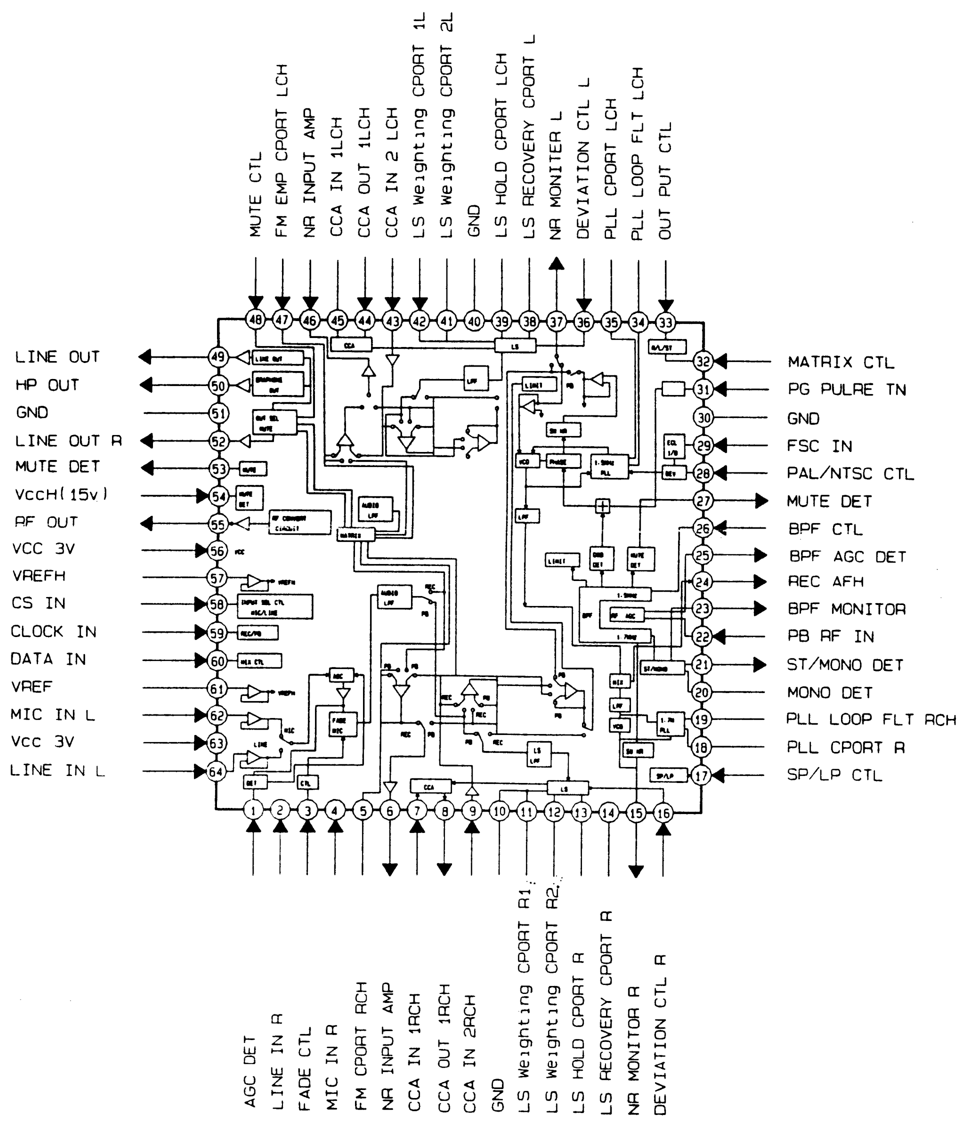
11-8 Video-Sub (VP-L95)


IC351
CXD2073Q
IC352
CXA2031R
TIC31
NJM2284V
XT351
14.321035
Q351
2SA1576
Q352
DTC144EU
Q353
UMT2
Q354
UMH6
SQ101
DTA144EU
SQ102
2SC3142
SQ101
2SC4081
SD101
DCC010
SQ103
UMX2
SQ104
2SA1576
SQ105
2SC4081
SQ106
2SA1576
NOR ONLY
NOR ONLY
V1 4FSC
AV2 AV 5V
COMP REC
V2
V3 REC AGC
AV2 AV 5V
V4 VIDEO IN(Y+C)
V2 COMP REC
V5 S Y IN
AV1 CAM/LINE
V6 CAM Y
AV 5V
AV2
CAM/LINE AV1
VA PB A17
S C IN V14
CAM C V13
SEP Y V12
SEP C V11
V10
COMP SYNC
CAM C V13
V26
PB 5V
V7 ACK
V1 4FSC
V8 VID FSC
V9 CAM FSC
V2 COMP REC
V26 10uH
V25
V24
V23 PB Y RF
AV2AV 5V
V22
NOR REC Y
V21 REC Y RF
AV2 AV 5V
A11 AUD L I/O
A12 AUD R I/O
A30 TUNER A-IN
A25 AUD R OUT
A24 AUD L OUT
V18 TUNER/LINE
V4 VIDEO IN(Y+C)
V16 VIDEO IN
V17 TUNER V-IN
CN701
A22 1 AUD FSC
2 AUD GND
3 AUD GND
A19 4 PB RF
A21 5 REC AFM
V22 6 NOR REC Y
V21 7 REC Y RF
M3 8 TALLY LED
A16 9 FADE
A9 10 AV SO
A8 11 AV SCK
A7 12 AUD CS
V3 13 REC AGC
AV1 14 CAM/LINE
15 NC
V2 16 COMP REC
V7 17 ACK
AV3 18 AV 3V
AV2 19 AV 5V
20 AV 5V
A4 21 AUDIO L OUT
A5 22 AUDIO R OUT
V24 23 RF AGC OUT
V23 24 PB Y RF
M6 25 EVER 3V
MF1 26 M/FOCUS1
MF2 27 M/FOCUS2
E1 28 GYRO RST
E2 29 H-IN
E3 30 V-IN
31 CAM GND
32 CAM GND
M1 33 SS 5V
E4 34 CAM 5V
V13 35 CAM C
V26 36 PB 5V
V6 37 CAM Y
M2 38 REMOCON DATA
V9 39 CAM FSC
V8 40 VID FSC
V25 41 /DOC*JOG
42 NC
43 NC
44 NC
T2 45 AV SI
T3 46 TUNER CS
T4 47 VTR UNREG
48 VTR UNREG
49 AV GND
T6 50 TUNER_W_UP
FROM/TO VIDEO CN203
CN704
T4 1 VTR UNREG
2 VTR UNREG
A9 3 AV SO
A8 4 AV SCK
T3 5 TUNER CS
T2 6 AV SI
7 AV GND
V17 8 TUNER V-IN
9 AV GND
A30 10 TUNER A-IN
11 AV GND
V18 12 TUNER/LINE
T6 13 TUNER_W_UP
14 AV GND
C378
104
FROM/TO TUNER

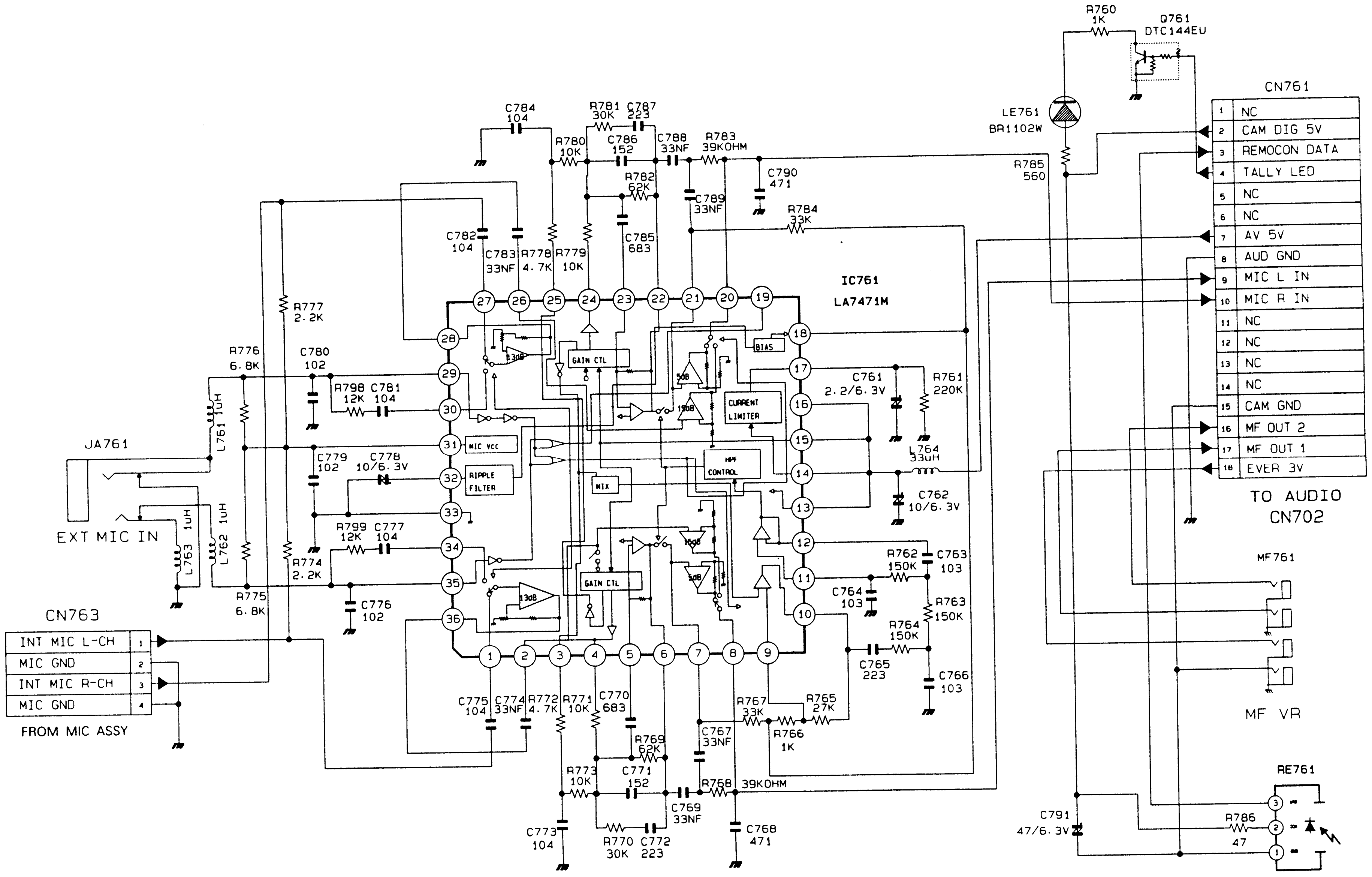
11-9 Audio


FROM/TO EIS 2
V-IN
H-IN
GYRO RST
M/FOCUS2
M/FOCUS1
MF OUT2
MF OUT1
CAM 5V
H-OUT
H-VREF
V-OUT
V-VREF
GYRO 5V
TO EIS 1
CN702
GYRO 5V
SS 5V
REMOCON DATA
TALLY LED
NC
NC
AUD 5V
AUD GND
MIC L IN
MIC R IN
H-OUT
H-VREF
V-OUT
V-VREF
CAM GND
MF OUT2
MF OUT1
EVER 3V
TO MIC CN761
EIS OPTION
S C IN
SEP C
SEP Y
COMP SYNC
VA PB
VIDEO IN
S Y IN
FROM/TO SUB-YC
CN703
S C IN
VID GND
VID GND
SEP C
VID GND
SEP Y
COMP SYNC
VA PB
HD SW
DEVIATION ADJ R
DEVIATION ADJ L
BPF ADJ
AUD R I/O
AUD L I/O
AUD GND
AUD GND
VIDEO IN
S Y IN
FROM/TO VIDEO CN202
DEVIATION ADJ L
AUDIO L OUT
AUDIO R OUT
AV 5V
AUD CS
AV SCK
AV SO
MIC L IN
MIC R IN
AUD L I/O
AUD R I/O
AUD L OUT
AUD R OUT
AUDIO R I/O
AUDIO L I/O
Q711 2SC4081
Q712 2SC4081
Q719 2SC4081
Q720 DTC114EU
Q703 DTC114EU
IC701 AN2980
NR MONITER
BPF MONITOR
L701
L702
AV 3V AV3
AV 5V AV2
HD SW A23
AUD FSC A22
BPF ADJ A20
REC AFM A21
PB RF A19
DEVIATION ADJ R A18
A16 FADE
A17 VA PB
A1 CAM/LINE
CN701
AUD FSC
AUD GND
AUD GND
PB RF
REC AFM
NOR REC Y
REC Y RF
TALLY LED
FADE
AV SO
AV SCK
AUD CS
REC AGC
CAM/LINE
NC
COMP REC
ACK
AV 3V
AV 5V
AV 5V
AUDIO L OUT
AUDIO R OUT
RF AGC OUT
PB Y RF
EVER 3V
M/FOCUS1
M/FOCUS2
GYRO RST
H-IN
V-IN
CAM GND
CAM GND
SS 5V
CAM 5V
CAM C
PB 5V
CAM Y
REMOCON DATA
CAM FSC
VID FSC
/DOC*JOG
NC
NC
NC
AV SI
TUNER CS
VTR UNREG
VTR UNREG
AV GND
TUNER.W.UP
FROM/TO VIDEO CN203
NOR REC Y
REC Y RF
REC AGC
COMP REC
ACK
AV 3V
AV 5V
RF AGC OUT
PB Y RF
CAM C
PB 5V
CAM Y
CAM FSC
VID FSC
/DOC*JOG
FROM/TO VIDEO-SUB

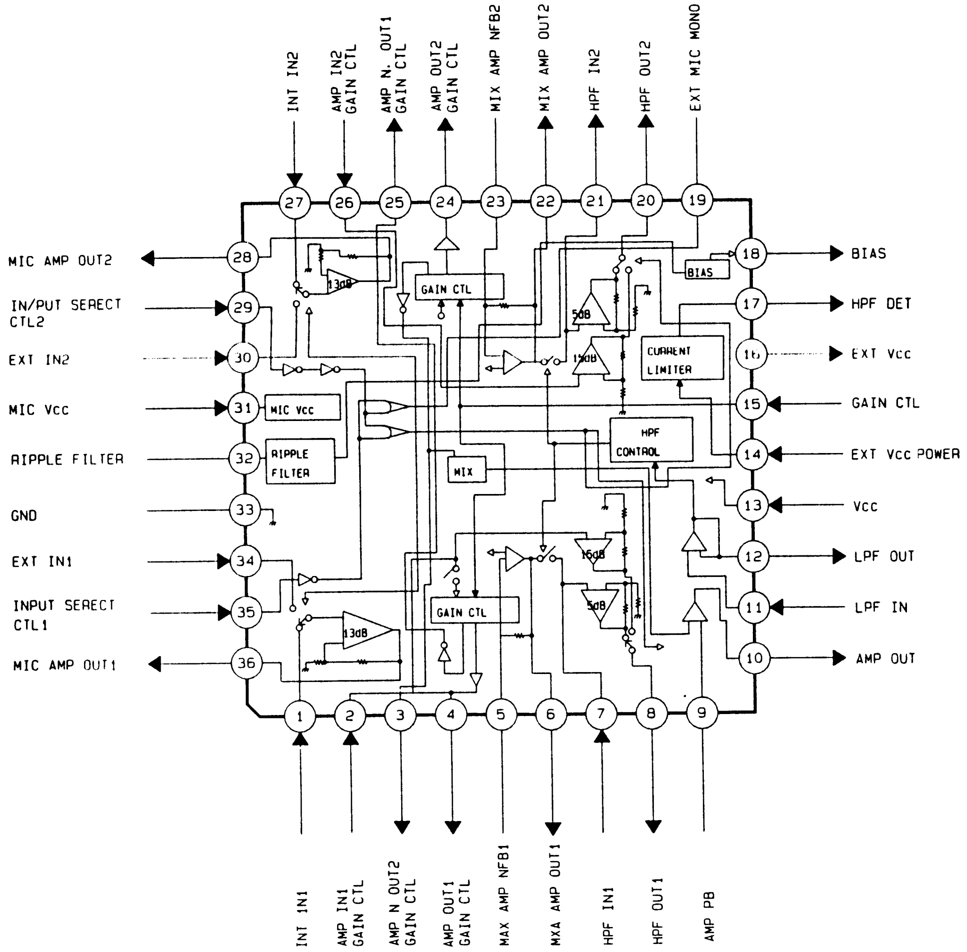
IC701 AN2980


MUTE CTL
FM EMP CPORT LCH
NR INPUT AMP
CCA IN 1LCH
CCA OUT 1LCH
CCA IN 2 LCH
LS Weighting CPORT 1L
LS Weighting CPORT 2L
GND
LS HOLD CPORT LCH
LS RECOVERY CPORT L
NR MONITER L
DEVIATION CTL L
PLL CPORT LCH
PLL LOOP FLT LCH
OUT PUT CTL
LINE OUT
HP OUT
GND
LINE OUT R
MUTE DET
VccH(15v)
RF OUT
VCC 3V
VREFH
CS IN
CLOCK IN
DATA IN
VREF
MIC IN L
Vcc 3V
LINE IN L
MATRIX CTL
PG PULRE TN
GND
FSC IN
PAL/NTSC CTL
MUTE DET
BPF CTL
BPF AGC DET
REC AFH
BPF MONITOR
PB RF IN
ST/MONO DET
MONO DET
PLL LOOP FLT RCH
PLL CPORT R
SP/LP CTL
AGC DET
LINE IN R
FADE CTL
MIC IN R
FM CPORT RCH
NR INPUT AMP
CCA IN 1RCH
CCA OUT 1RCH
CCA IN 2RCH
GND
LS Weighting CPORT R1
LS Weighting CPORT R2
LS HOLD CPORT R
LS RECOVERY CPORT R
NR MONITOR R
DEVIATION CTL R

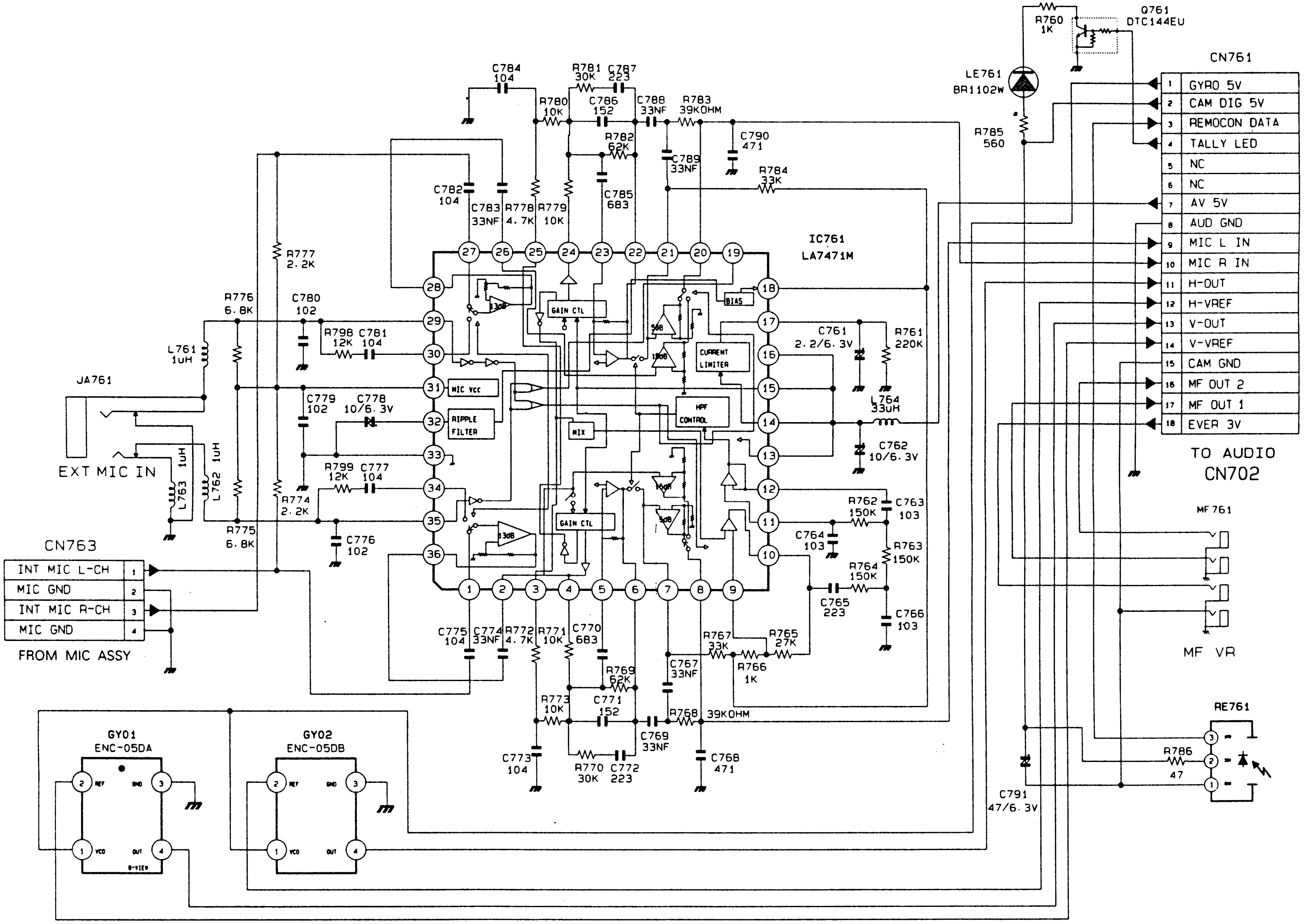
11-10 Mic (VP-L90)


R760 1K
Q761 DTC144EU
CN761
1 NC
2 CAM DIG 5V
3 REMOCON DATA
4 TALLY LED
5 NC
6 NC
7 AV 5V
8 AUD GND
9 MIC L IN
10 MIC R IN
11 NC
12 NC
13 NC
14 NC
15 CAM GND
16 MF OUT 2
17 MF OUT 1
18 EVER 3V
TO AUDIO CN702
LE761 BR1102W
R785 560
IC761 LA7471M
C784 104
R781 30K
C787 223
R780 10K
C786 152
C788 33NF
R783 39KOHM
R782 62K
C790 471
C789 33NF
R784 33K
C782 104
C783 33NF
R778 4.7K
R779 10K
C785 683
R777 2.2K
R776 6.8K
C780 102
R798 12K
C781 104
L761 1uH
JA761
EXT MIC IN
C779 102
C778 10/6.3V
R799 12K
C777 104
L763 1uH
L762 1uH
R774 2.2K
R775 6.8K
C776 102
CN763
1 INT MIC L-CH
2 MIC GND
3 INT MIC R-CH
4 MIC GND
FROM MIC ASSY
GAIN CTL
BIAS
CURRENT LIMITER
MIC VCC
RIPPLE FILTER
MIX
HPF CONTROL
C761 2.2/6.3V
R761 220K
L764 33uH
C762 10/6.3V
R762 150K
C763 103
C764 103
R763 150K
R764 150K
C765 223
C766 103
C775 104
C774 33NF
R772 4.7K
R771 10K
C770 683
R767 33K
R765 27K
R769 62K
C767 33NF
R766 1K
R773 10K
C771 152
R768 39KOHM
C769 33NF
C773 104
R770 30K
C772 223
C768 471
MF761
MF VR
RE761
R786 47
C791 47/6.3V

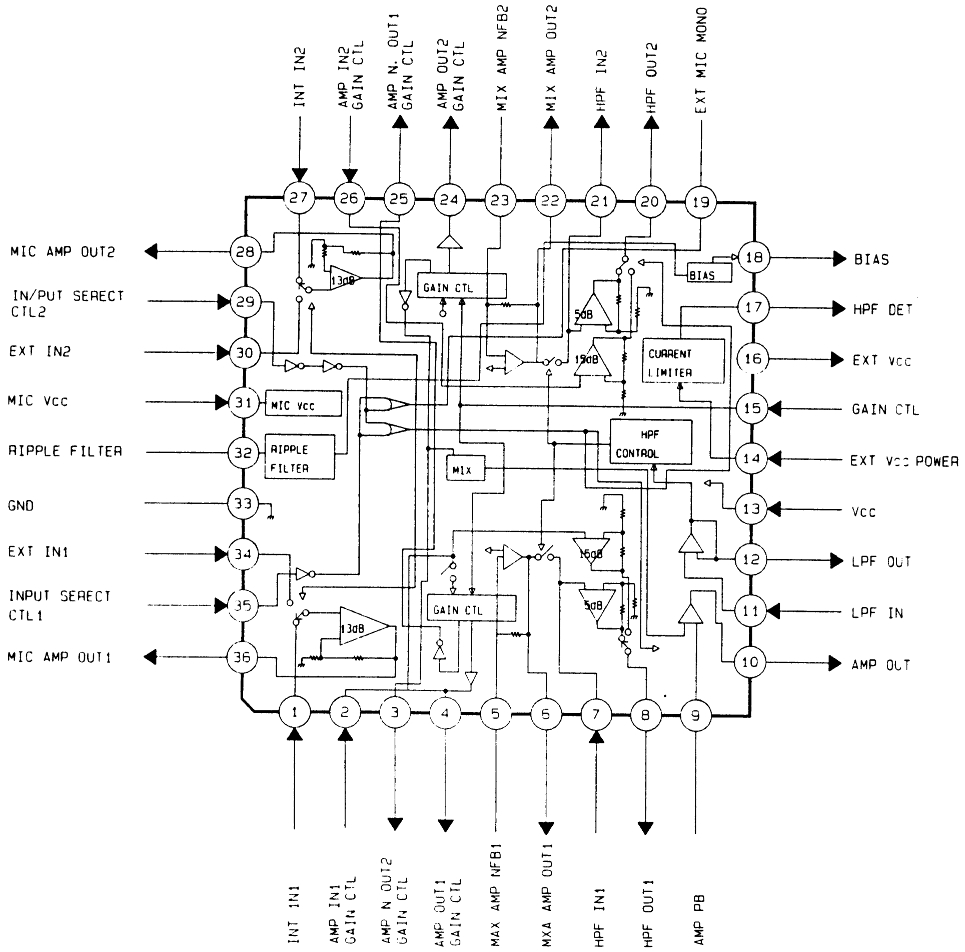
IC761 LA7471M


MIC AMP OUT2
IN/PUT SERECT CTL2
EXT IN2
MIC Vcc
RIPPLE FILTER
GND
EXT IN1
INPUT SERECT CTL1
MIC AMP OUT1
INT IN2
AMP IN2 GAIN CTL
AMP N. OUT1 GAIN CTL
AMP OUT2 GAIN CTL
MIX AMP NFB2
MIX AMP OUT2
HPF IN2
HPF OUT2
EXT MIC MONO
BIAS
HPF DET
EXT Vcc
GAIN CTL
EXT Vcc POWER
Vcc
LPF OUT
LPF IN
AMP OUT
INT IN1
AMP IN1 GAIN CTL
AMP N OUT2 GAIN CTL
AMP OUT1 GAIN CTL
MAX AMP NFB1
MXA AMP OUT1
HPF IN1
HPF OUT1
AMP PB
MIC Vcc
RIPPLE FILTER
MIX
HPF CONTROL
CURRENT LIMITER
BIAS
GAIN CTL
GAIN CTL
13dB
13dB
5dB
15dB
15dB
5dB
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36

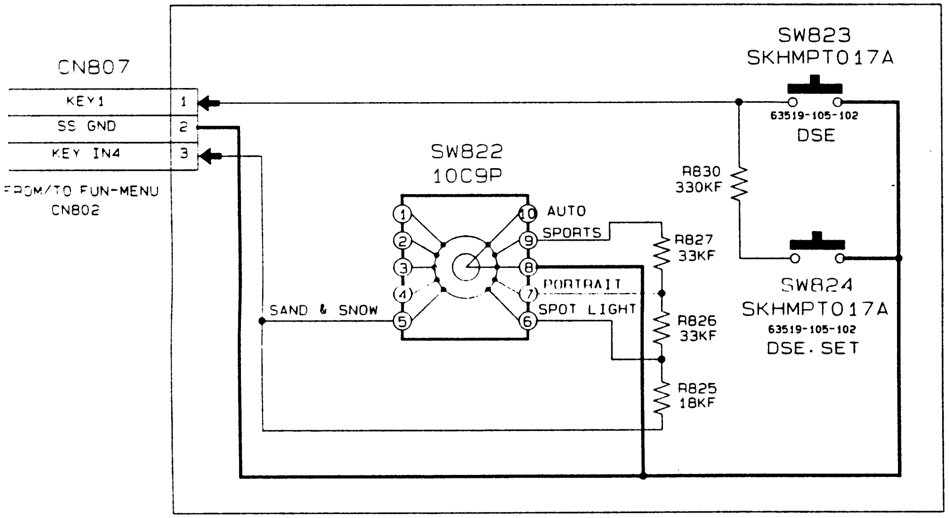
11-11 Mic (VP-L95)


Q761
DTC144EU
R760
1K
LE761
BR1102W
R785
560
CN761
1 GYRO 5V
2 CAM DIG 5V
3 REMOCON DATA
4 TALLY LED
5 NC
6 NC
7 AV 5V
8 AUD GND
9 MIC L IN
10 MIC R IN
11 H-OUT
12 H-VREF
13 V-OUT
14 V-VREF
15 CAM GND
16 MF OUT 2
17 MF OUT 1
18 EVER 3V
TO AUDIO
CN702
MF761
MF VR
RE761
R786
47
C791
47/6.3V
IC761
LA7471M
C784
104
R781 30K
C787 223
R780 10K
C786 152
C788 33NF
R783 39KOHM
C790 471
R782 62K
C789 33NF
R784 33K
C785 683
C782 104
C783 33NF
R778 4.7K
R779 10K
R777 2.2K
R776 6.8K
C780 102
R798 12K
C781 104
L761 1uH
JA761
EXT MIC IN
C779 102
C778 10/6.3V
R799 12K
C777 104
L763 1uH
L762 1uH
R774 2.2K
R775 6.8K
C776 102
C761 2.2/6.3V
R761 220K
L764 33uH
C762 10/6.3V
R762 150K
C763 103
C764 103
R763 150K
R764 150K
C765 223
C766 103
R767 33K
R765 27K
R766 1K
C767 33NF
C775 104
C774 33NF
R772 4.7K
R771 10K
C770 683
R769 62K
R773 10K
C771 152
R768 39KOHM
C769 33NF
C773 104
R770 30K
C772 223
C768 471
GAIN CTL
BIAS
CURRENT LIMITER
MIC VCC
RIPPLE FILTER
HPF CONTROL
MIX
13dB
5dB
16dB
CN763
1 INT MIC L-CH
2 MIC GND
3 INT MIC R-CH
4 MIC GND
FROM MIC ASSY
GY01
ENC-05DA
GY02
ENC-05DB
REF
GND
VCO
OUT
B-VIEW

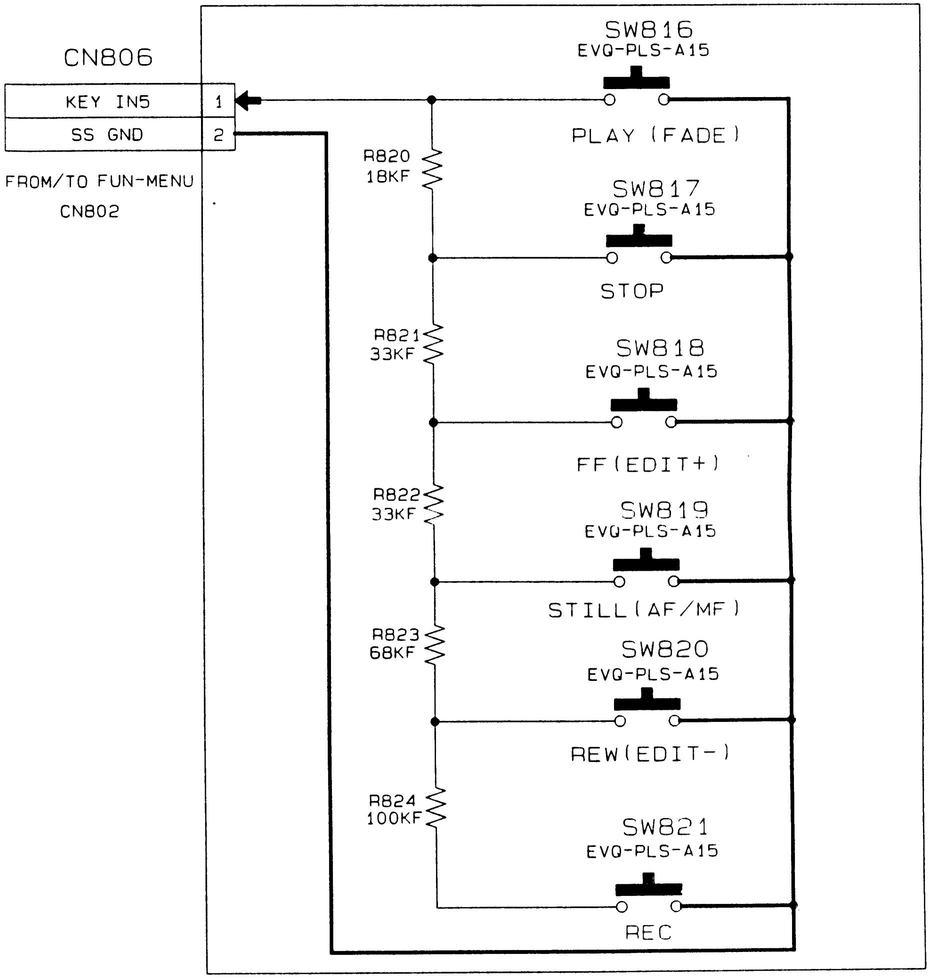
IC761 LA7471M


INT IN2
AMP IN2 GAIN CTL
AMP N. OUT1 GAIN CTL
AMP OUT2 GAIN CTL
MIX AMP NFB2
MIX AMP OUT2
HPF IN2
HPF OUT2
EXT MIC MONO
27
26
25
24
23
22
21
20
19
MIC AMP OUT2
IN/PUT SERECT CTL2
EXT IN2
MIC Vcc
RIPPLE FILTER
GND
EXT IN1
INPUT SERECT CTL1
MIC AMP OUT1
28
29
30
31
32
33
34
35
36
13dB
GAIN CTL
5dB
15dB
BIAS
CURRENT LIMITER
MIC Vcc
RIPPLE FILTER
HPF CONTROL
MIX
15dB
5dB
GAIN CTL
13dB
18
17
16
15
14
13
12
11
10
BIAS
HPF DET
EXT Vcc
GAIN CTL
EXT Vcc POWER
Vcc
LPF OUT
LPF IN
AMP OUT
1
2
3
4
5
6
7
8
9
INT IN1
AMP IN1 GAIN CTL
AMP N OUT2 GAIN CTL
AMP OUT1 GAIN CTL
MAX AMP NFB1
MXA AMP OUT1
HPF IN1
HPF OUT1
AMP PB

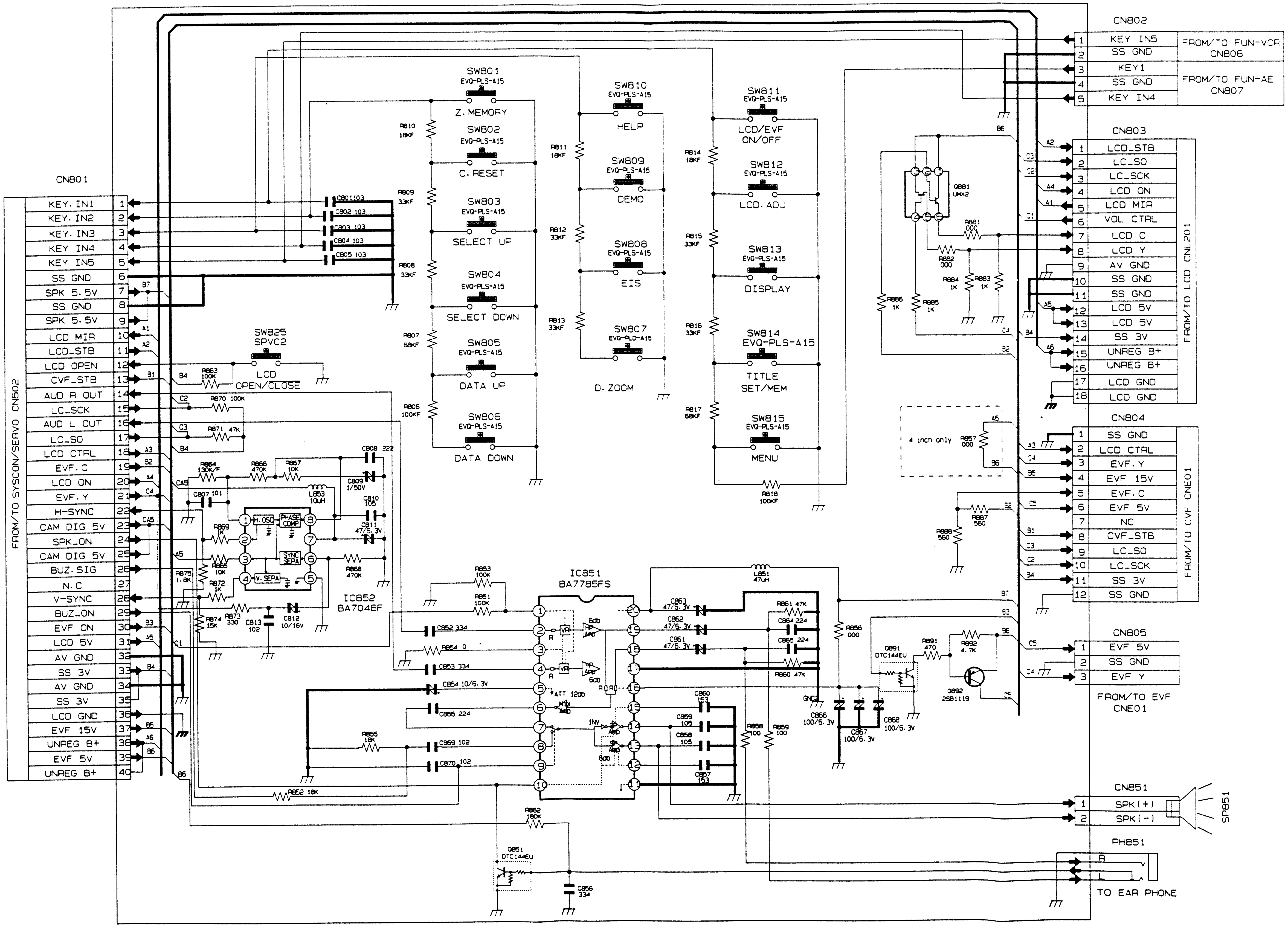
11-12 Function-AE


CN807
KEY1
SS GND
KEY IN4
1
2
3
FROM/TO FUN-MENU
CN802
SW822
10C9P
1
2
3
4
5
6
7
8
9
10
AUTO
SPORTS
PORTRAIT
SPOT LIGHT
SAND & SNOW
SW823
SKHMPT017A
63519-105-102
DSE
R830
330KF
R827
33KF
R826
33KF
R825
18KF
SW824
SKHMPT017A
63519-105-102
DSE. SET

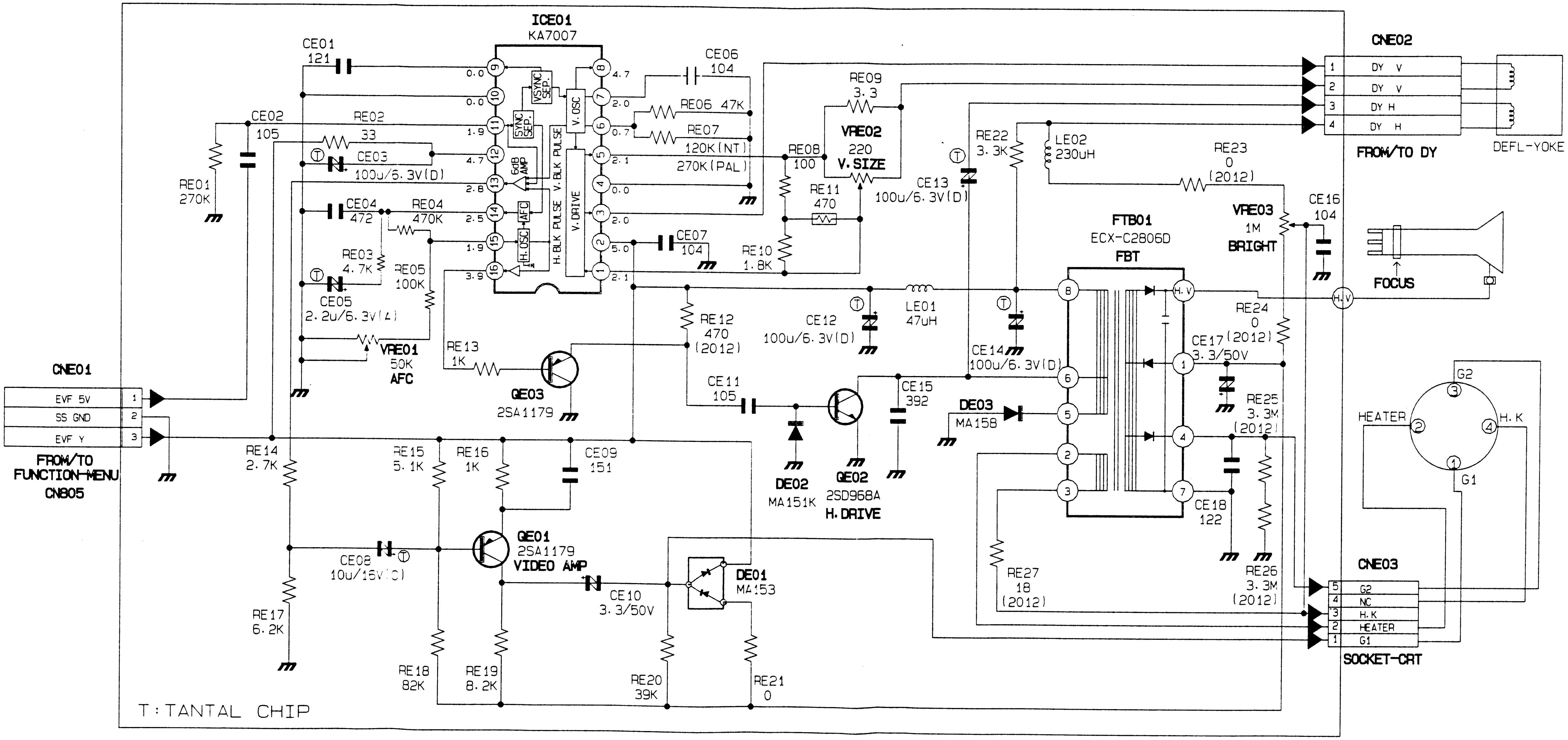
11-13 Function-VCR


CN806
KEY IN5
SS GND
1
2
FROM/TO FUN-MENU
CN802
SW816
EVQ-PLS-A15
PLAY (FADE)
R820
18KF
SW817
EVQ-PLS-A15
STOP
R821
33KF
SW818
EVQ-PLS-A15
FF(EDIT+)
R822
33KF
SW819
EVQ-PLS-A15
STILL(AF/MF)
R823
68KF
SW820
EVQ-PLS-A15
REW(EDIT-)
R824
100KF
SW821
EVQ-PLS-A15
REC

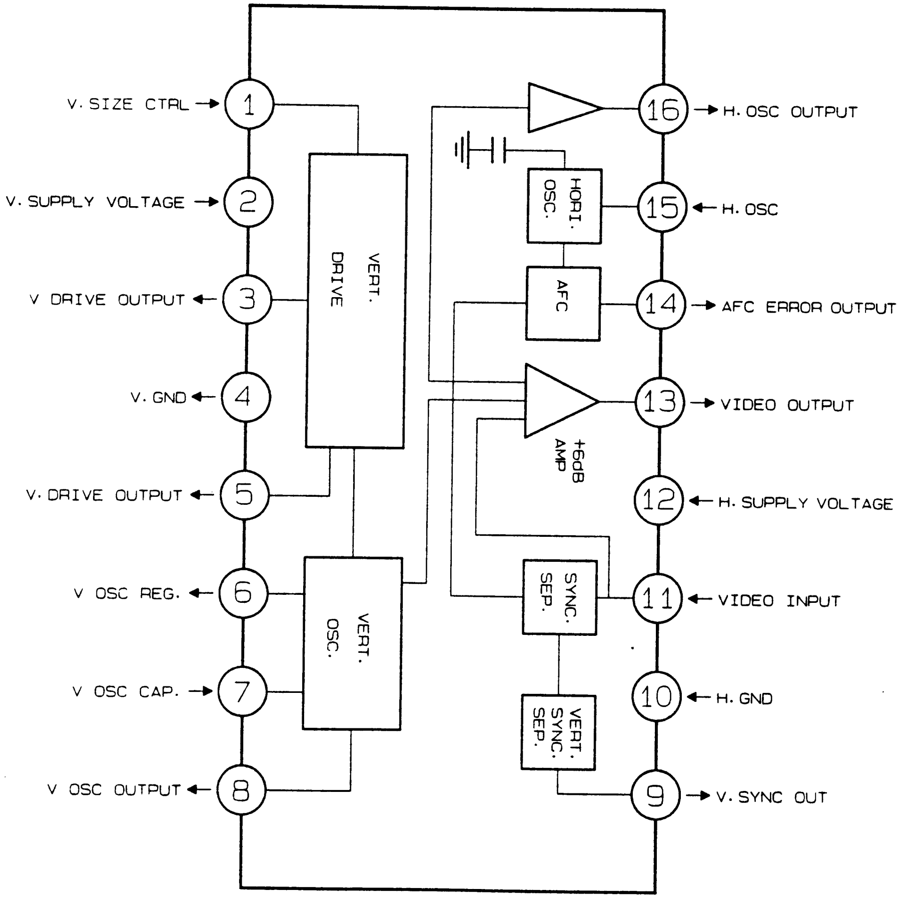
11-14 Function-Menu

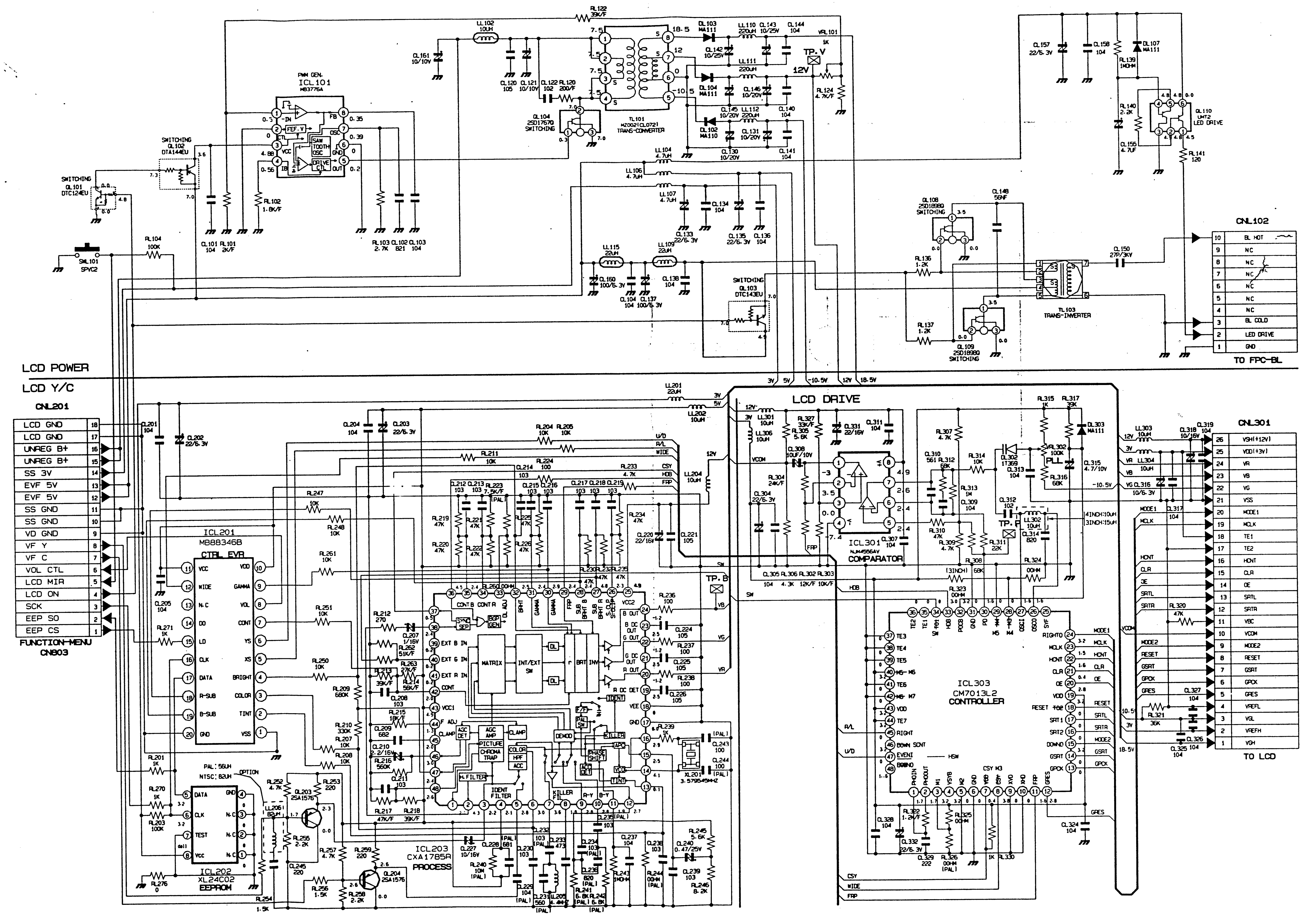

CN801
FROM/TO SYSCON/SERVO CN502
1 KEY. IN1
2 KEY. IN2
3 KEY. IN3
4 KEY IN4
5 KEY IN5
6 SS GND
7 SPK 5.5V
8 SS GND
9 SPK 5.5V
10 LCD MIR
11 LCD_STB
12 LCD OPEN
13 CVF_STB
14 AUD R OUT
15 LC_SCK
16 AUD L OUT
17 LC_SO
18 LCD CTRL
19 EVF. C
20 LCD ON
21 EVF. Y
22 H-SYNC
23 CAM DIG 5V
24 SPK_ON
25 CAM DIG 5V
26 BUZ. SIG
27 N. C
28 V-SYNC
29 BUZ_ON
30 EVF ON
31 LCD 5V
32 AV GND
33 SS 3V
34 AV GND
35 SS 3V
36 LCD GND
37 EVF 15V
38 UNREG B+
39 EVF 5V
40 UNREG B+
SW801 EVQ-PLS-A15 Z. MEMORY
SW802 EVQ-PLS-A15 C. RESET
SW803 EVQ-PLS-A15 SELECT UP
SW804 EVQ-PLS-A15 SELECT DOWN
SW805 EVQ-PLS-A15 DATA UP
SW806 EVQ-PLS-A15 DATA DOWN
SW810 EVQ-PLS-A15 HELP
SW809 EVQ-PLS-A15 DEMO
SW808 EVQ-PLS-A15 EIS
SW807 EVQ-PLD-A15 D. ZOOM
SW811 EVQ-PLS-A15 LCD/EVF ON/OFF
SW812 EVQ-PLS-A15 LCD. ADJ
SW813 EVQ-PLS-A15 DISPLAY
SW814 EVQ-PLS-A15 TITLE SET/MEM
SW815 EVQ-PLS-A15 MENU
SW825 SPVC2 LCD OPEN/CLOSE
R810 18KF
R809 33KF
R808 33KF
R807 68KF
R806 100KF
R811 18KF
R812 33KF
R813 33KF
R814 18KF
R815 33KF
R816 33KF
R817 68KF
R818 100KF
C801 103
C802 103
C803 103
C804 103
C805 103
R863 100K
R870 100K
R871 47K
R864 130K/F
R866 470K
R867 10K
C808 222
C807 101
L853 10uH
C809 1/50V
C810 105
C811 47/6.3V
R869 1K
R865 10K
R868 470K
R875 1.8K
R872 1K
R874 15K
R873 330
C813 102
C812 10/16V
H. OSC
PHASE COMP
SYNC SEPA
V. SEPA
IC852 BA7046F
R853 100K
R851 100K
C852 334
R854 0
C853 334
C854 10/6.3V
C855 224
R855 18K
C869 102
C870 102
R852 18K
IC851 BA7785FS
VR
AMP
ATT 12db
MUTE
INV
6db
C863 47/6.3V
C862 47/6.3V
C861 47/6.3V
L851 47uH
R861 47K
C864 224
C865 224
R860 47K
C860 153
C859 105
C858 105
C857 153
R858 100
R859 100
C866 100/6.3V
C867 100/6.3V
C868 100/6.3V
R856 000
Q891 DTC144EU
R891 470
R892 4.7K
Q892 2SB1119
R862 180K
Q851 DTC144EU
C856 334
Q881 UMX2
R881 000
R882 000
R884 1K
R883 1K
R886 1K
R885 1K
4 inch only
R857 000
R887 560
R888 560
CN802
1 KEY IN5
2 SS GND
3 KEY1
4 SS GND
5 KEY IN4
FROM/TO FUN-VCR CN806
FROM/TO FUN-AE CN807
CN803
FROM/TO LCD CNL201
1 LCD_STB
2 LC_SO
3 LC_SCK
4 LCD ON
5 LCD MIR
6 VOL CTRL
7 LCD C
8 LCD Y
9 AV GND
10 SS GND
11 SS GND
12 LCD 5V
13 LCD 5V
14 SS 3V
15 UNREG B+
16 UNREG B+
17 LCD GND
18 LCD GND
CN804
FROM/TO CVF CNE01
1 SS GND
2 LCD CTRL
3 EVF. Y
4 EVF 15V
5 EVF. C
6 EVF 5V
7 NC
8 CVF_STB
9 LC_SO
10 LC_SCK
11 SS 3V
12 SS GND
CN805
1 EVF 5V
2 SS GND
3 EVF Y
FROM/TO EVF CNE01
CN851
1 SPK(+)
2 SPK(-)
SP851
PH851
R
L
TO EAR PHONE

11-15 EVF

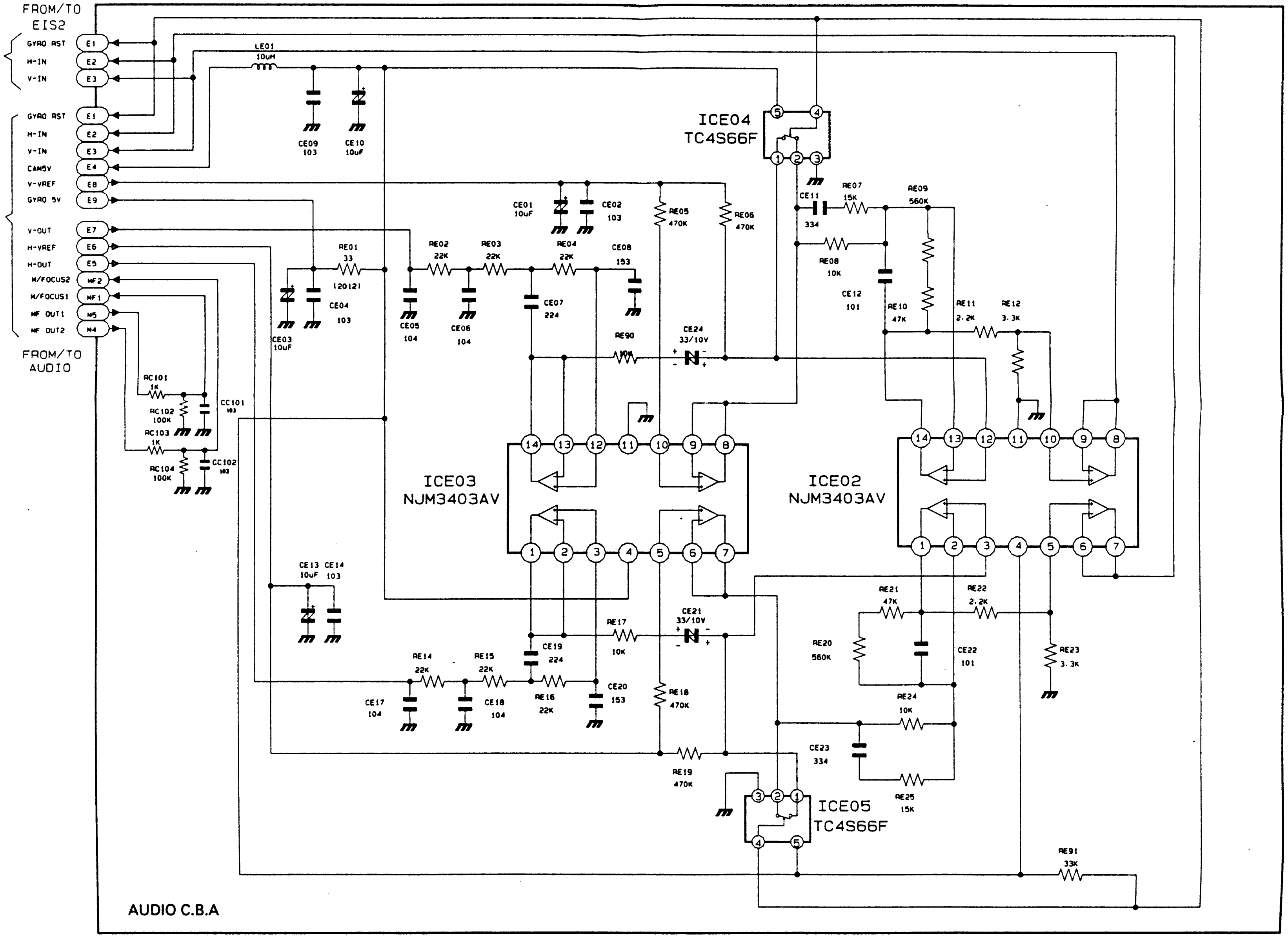

ICE01
KA7007
V SYNC SEP.
SYNC SEP.
6dB AMP
AFC
H.OSC
V.OSC
V.DRIVE
H.BLK PULSE
V.BLK PULSE
CE01
121
CE02
105
RE01
270K
RE02
33
CE03
100u/6.3V(D)
CE04
472
RE04
470K
RE03
4.7K
RE05
100K
CE05
2.2u/6.3V(A)
VRE01
50K
AFC
RE13
1K
QE03
2SA1179
CE06
104
RE06 47K
RE07
120K(NT)
270K(PAL)
CE07
104
RE08
100
RE09
3.3
VRE02
220
V.SIZE
RE11
470
RE10
1.8K
RE12
470
(2012)
CE11
105
CE12
100u/6.3V(D)
LE01
47uH
CE13
100u/6.3V(D)
RE22
3.3K
LE02
230uH
RE23
0
(2012)
VRE03
1M
BRIGHT
CE16
104
CE14
100u/6.3V(D)
CE15
392
DE03
MA158
DE02
MA151K
QE02
2SD968A
H.DRIVE
FTB01
ECX-C2806D
FBT
H.V
RE24
0
(2012)
CE17
3.3/50V
RE25
3.3M
(2012)
CE18
122
RE26
3.3M
(2012)
RE27
18
(2012)
CNE02
DY V
DY V
DY H
DY H
FROM/TO DY
DEFL-YOKE
FOCUS
G2
HEATER
H.K
G1
CNE03
G2
NC
H.K
HEATER
G1
SOCKET-CRT
CNE01
EVF 5V
SS GND
EVF Y
FROM/TO
FUNCTION-MENU
CN805
RE14
2.7K
RE15
5.1K
RE16
1K
CE09
151
CE08
10u/16V(C)
QE01
2SA1179
VIDEO AMP
CE10
3.3/50V
DE01
MA153
RE17
6.2K
RE18
82K
RE19
8.2K
RE20
39K
RE21
0
T:TANTAL CHIP

ICE01 KA7007

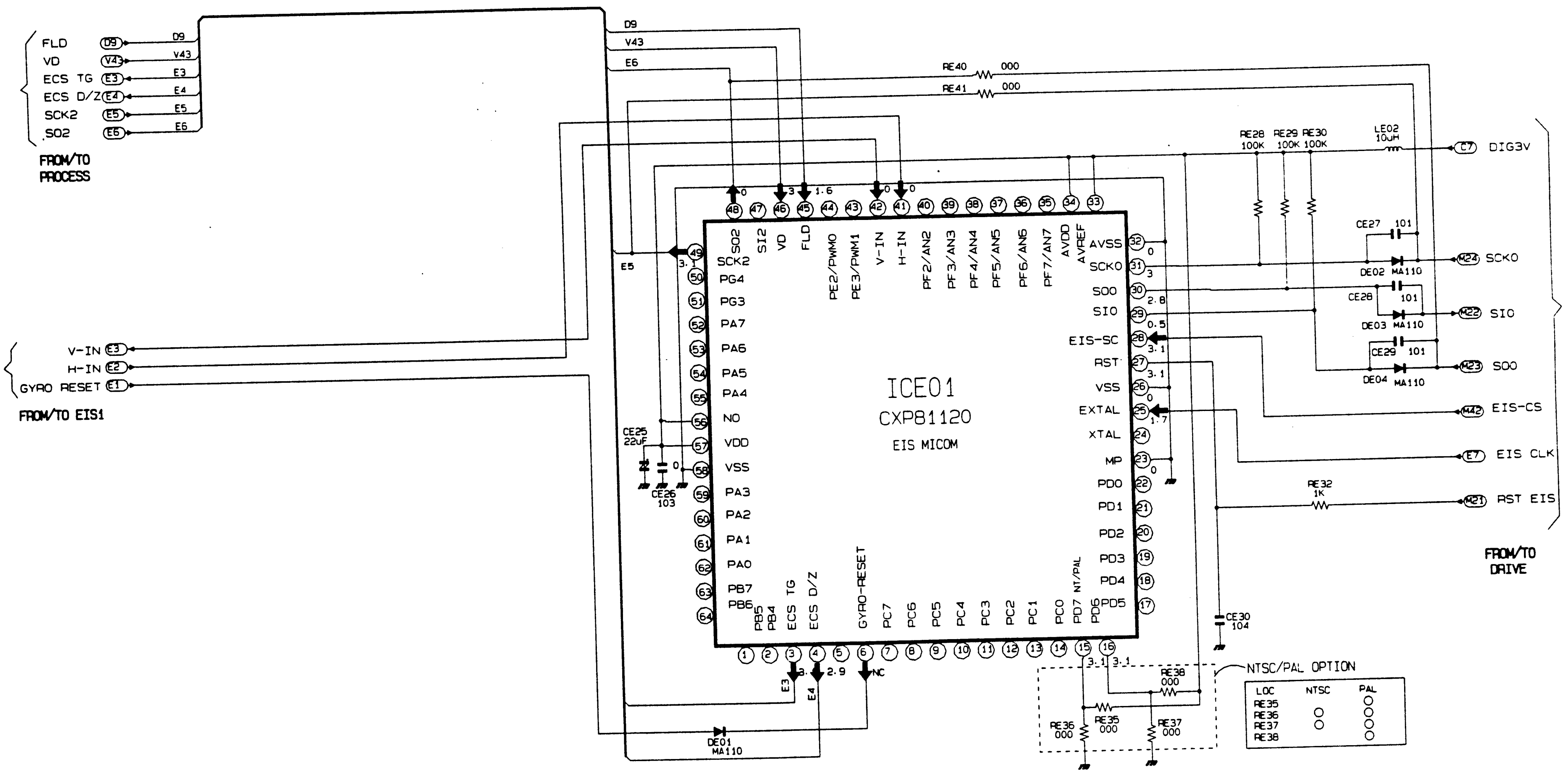

V. SIZE CTRL
1
V. SUPPLY VOLTAGE
2
V DRIVE OUTPUT
3
V. GND
4
V. DRIVE OUTPUT
5
V OSC REG.
6
V OSC CAP.
7
V OSC OUTPUT
8
16
H. OSC OUTPUT
15
H. OSC
14
AFC ERROR OUTPUT
13
VIDEO OUTPUT
12
H. SUPPLY VOLTAGE
11
VIDEO INPUT
10
H. GND
9
V. SYNC OUT
VERT. DRIVE
VERT. OSC.
HORI. OSC.
AFC
+6dB AMP
SYNC. SEP.
VERT. SYNC. SEP.


LCD POWER
LCD Y/C
LCD DRIVE
CNL201
LCD GND
LCD GND
UNREG B+
UNREG B+
SS 3V
EVF 5V
EVF 5V
SS GND
SS GND
VD GND
VF Y
VF C
VOL CTL
LCD MIR
LCD ON
SCK
EEP SO
EEP CS
FUNCTION-MENU
CN803
PWM GEN.
ICL101
MB3776A
SWITCHING
QL101
DTC124EU
SWITCHING
QL102
DTA144EU
SWL101
SPVC2
QL104
2SD1767Q
SWITCHING
TL101
MZ002(CL072)
TRANS-CONVERTER
TP.V
12V
SWITCHING
QL103
DTC143EU
QL108
2SD1898Q
SWITCHING
QL109
2SD1898Q
SWITCHING
TL103
TRANS-INVERTER
QL110
UMT2
LED DRIVE
CNL102
BL HOT
NC
BL COLD
LED DRIVE
GND
TO FPC-BL
ICL201
MB88346B
CTRL EVR
ICL202
XL24C02
EEPROM
ICL203
CXA1785R
PROCESS
MATRIX
INT/EXT SW
AGC DET
AGC AMP
PICTURE
CHROMA TRAP
COLOR
HPF
ACC
IDENT FILTER
KILLER FIL
DEMOD
KILLER
PHASE SHIFT
APC
VCO
TINT
TP.B
XL201
3.579545MHZ
ICL301
NJM4556AV
COMPARATOR
ICL303
CM7013L2
CONTROLLER
TP.P
PLL
CNL301
VSH(+12V)
VDD(+3V)
VR
VB
VG
VSS
MODE1
MCLK
TE1
TE2
HCNT
CLR
OE
SRTL
SRTR
VBC
VCOM
MODE2
RESET
GSRT
GPCK
GRES
VREFL
VGL
VREFH
VGH
TO LCD

11-17 EIS 1 (VP-L90)


FROM/TO
EIS2
GYRO RST
H-IN
V-IN
E1
E2
E3
GYRO RST
H-IN
V-IN
CAM5V
V-VREF
GYRO 5V
E1
E2
E3
E4
E8
E9
V-OUT
H-VREF
H-OUT
M/FOCUS2
M/FOCUS1
MF OUT1
MF OUT2
E7
E6
E5
MF2
MF1
M5
M4
FROM/TO
AUDIO
LE01
10uH
CE09
103
CE10
10uF
ICE04
TC4S66F
CE01
10uF
CE02
103
RE05
470K
RE06
470K
RE01
33
(2012)
RE02
22K
RE03
22K
RE04
22K
CE08
153
CE04
103
CE03
10uF
CE05
104
CE06
104
CE07
224
RE90
10K
CE24
33/10V
CE11
334
RE07
15K
RE09
560K
RE08
10K
CE12
101
RE10
47K
RE11
2.2K
RE12
3.3K
RC101
1K
RC102
100K
RC103
1K
RC104
100K
CC101
103
CC102
103
ICE03
NJM3403AV
ICE02
NJM3403AV
CE13 CE14
10uF 103
RE17
10K
CE21
33/10V
CE19
224
RE14
22K
RE15
22K
RE16
22K
CE20
153
CE17
104
CE18
104
RE18
470K
RE19
470K
RE21
47K
RE22
2.2K
RE20
560K
CE22
101
RE23
3.3K
RE24
10K
CE23
334
RE25
15K
ICE05
TC4S66F
RE91
33K
AUDIO C.B.A

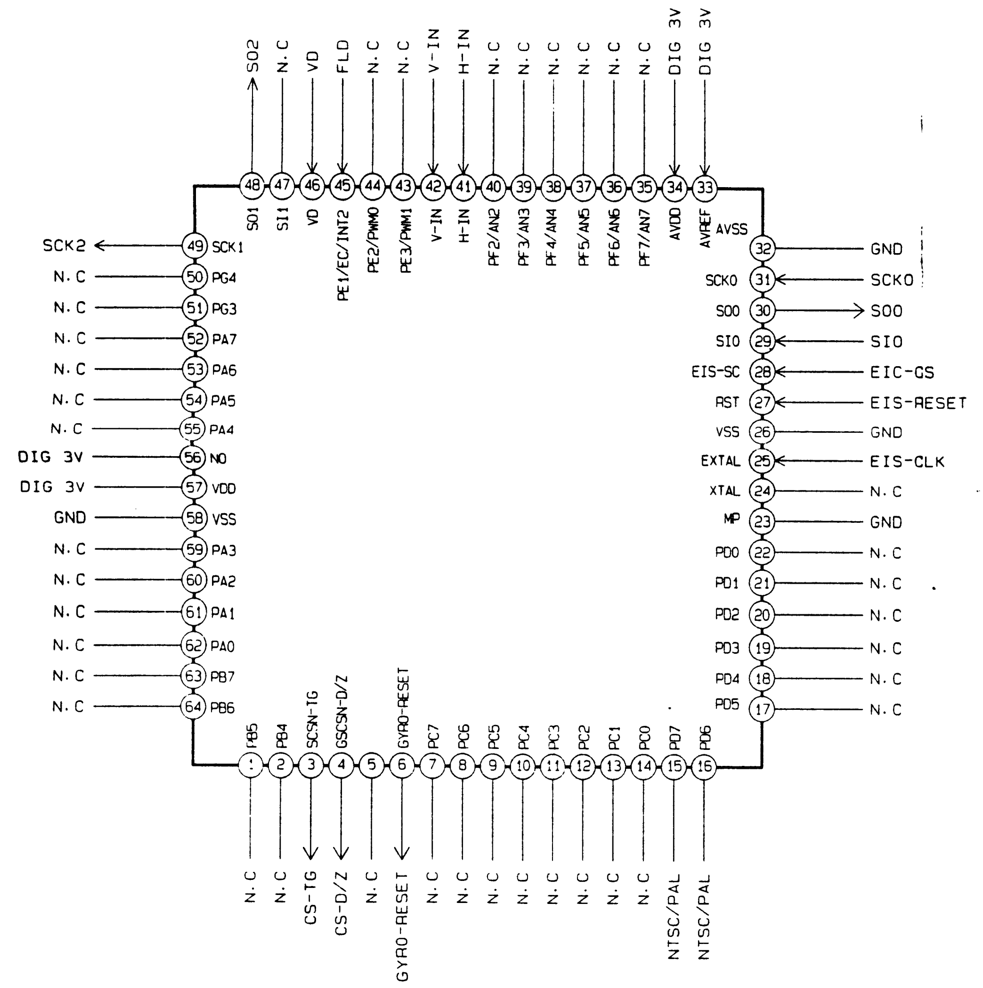
11-18 EIS 2 (VP-L95)


FLD
VD
ECS TG
ECS D/Z
SCK2
SO2
FROM/TO PROCESS
V-IN
H-IN
GYRO RESET
FROM/TO EIS1
D9
V43
E3
E4
E5
E6
RE40 000
RE41 000
RE28 100K
RE29 100K
RE30 100K
LE02 10uH
DIG3V
CE27 101
DE02 MA110
SCKO
CE28 101
DE03 MA110
SIO
CE29 101
DE04 MA110
SOO
EIS-CS
EIS CLK
RE32 1K
RST EIS
FROM/TO DRIVE
ICE01
CXP81120
EIS MICOM
CE25 22uF
CE26 103
CE30 104
DE01 MA110
NTSC/PAL OPTION
LOC
NTSC
PAL
RE35
RE36
RE37
RE38
RE35 000
RE36 000
RE37 000
RE38 000
NC
SO2
SI2
VD
FLD
PE2/PWM0
PE3/PWM1
V-IN
H-IN
PF2/AN2
PF3/AN3
PF4/AN4
PF5/AN5
PF6/AN6
PF7/AN7
AVDD
AVREF
AVSS
SCKO
SOO
SIO
EIS-SC
RST
VSS
EXTAL
XTAL
MP
PD0
PD1
PD2
PD3
PD4
PD5
PD6
PD7 NT/PAL
PC0
PC1
PC2
PC3
PC4
PC5
PC6
PC7
GYRO-RESET
ECS D/Z
ECS TG
PB4
PB5
PB6
PB7
PA0
PA1
PA2
PA3
VSS
VDD
NO
PA4
PA5
PA6
PA7
PG3
PG4
SCK2

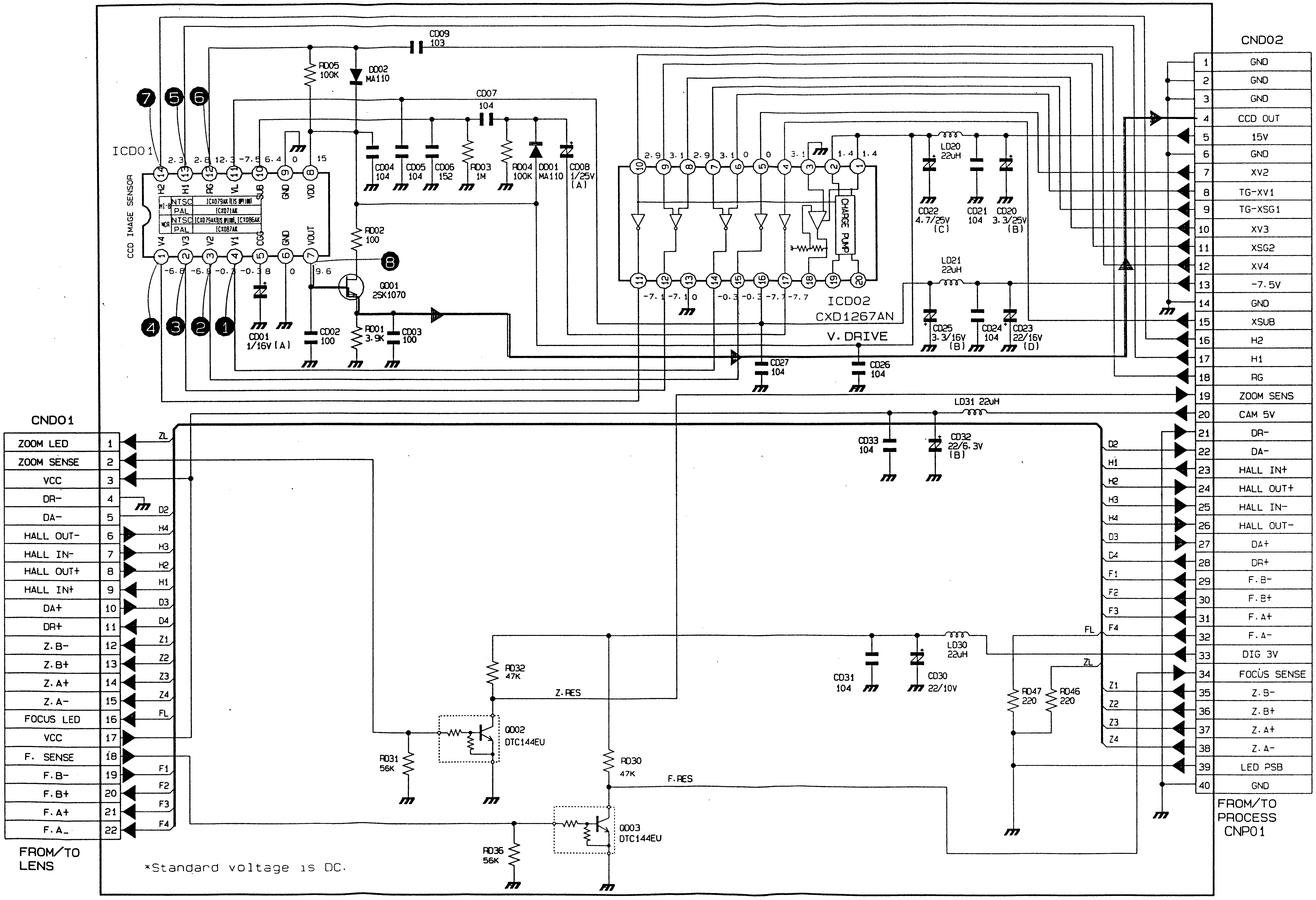
<MAIN C.B.A>

*Standard voltage is DC.

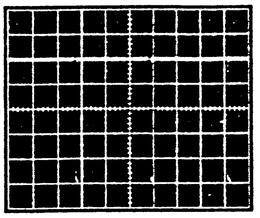
ICE01 CXP81120


SO2
N.C
VD
FLD
N.C
N.C
V-IN
H-IN
N.C
N.C
N.C
N.C
N.C
N.C
DIG 3V
DIG 3V
SO1
SI1
VD
PE1/EC/INT2
PE2/PWM0
PE3/PWM1
V-IN
H-IN
PF2/AN2
PF3/AN3
PF4/AN4
PF5/AN5
PF6/AN6
PF7/AN7
AVDD
AVREF
AVSS
SCK2
N.C
DIG 3V
GND
SCK1
PG4
PG3
PA7
PA6
PA5
PA4
NO
VDD
VSS
PA3
PA2
PA1
PA0
PB7
PB6
SCKO
SOO
SIO
EIS-SC
RST
VSS
EXTAL
XTAL
MP
PD0
PD1
PD2
PD3
PD4
PD5
GND
SCKO
SOO
SIO
EIC-CS
EIS-RESET
GND
EIS-CLK
N.C
GND
PB5
PB4
SCSN-TG
GSCSN-D/Z
GYRO-RESET
PC7
PC6
PC5
PC4
PC3
PC2
PC1
PC0
PD7
PD6
CS-TG
CS-D/Z
GYRO-RESET
NTSC/PAL

11-19 CCD


ICD01
CCD IMAGE SENSOR
H2 H1 RG VL SUB GND VDD
V4 V3 V2 V1 CGG GND VOUT
HI-B NTSC ICX079AK (IS 有り) PAL ICX071AK
NOR NTSC ICX079AK(IS 無し), ICX086AK PAL ICX087AK
2.3 2.8 12.3 -7.5 6.4 0 15
-6.8 -6.8 -0.3 -0.3 8 0 9.6
CD09 103
RD05 100K
D002 MA110
CD07 104
CD04 104
CD05 104
CD06 152
RD03 1M
RD04 100K
D001 MA110
CD08 1/25V (A)
RD02 100
Q001 2SK1070
RD01 3.9K
CD03 100
CD02 100
CD01 1/16V (A)
2.9 3.1 2.9 3.1 0 0 3.1 1.4 1.4
-7.1 -7.1 0 -0.3 -0.3 -7.7 -7.7
CHARGE PUMP
ICD02
CXD1267AN
V. DRIVE
CD27 104
CD26 104
LD20 22uH
CD22 4.7/25V (C)
CD21 104
CD20 3.3/25V (B)
LD21 22uH
CD25 3.3/16V (B)
CD24 104
CD23 22/16V (D)
LD31 22uH
CD33 104
CD32 22/6.3V (B)
CND02
1 GND
2 GND
3 GND
4 CCD OUT
5 15V
6 GND
7 XV2
8 TG-XV1
9 TG-XSG1
10 XV3
11 XSG2
12 XV4
13 -7.5V
14 GND
15 XSUB
16 H2
17 H1
18 RG
19 ZOOM SENS
20 CAM 5V
21 DR-
22 DA-
23 HALL IN+
24 HALL OUT+
25 HALL IN-
26 HALL OUT-
27 DA+
28 DR+
29 F.B-
30 F.B+
31 F.A+
32 F.A-
33 DIG 3V
34 FOCUS SENSE
35 Z.B-
36 Z.B+
37 Z.A+
38 Z.A-
39 LED PSB
40 GND
FROM/TO PROCESS CNP01
CND01
1 ZOOM LED
2 ZOOM SENSE
3 VCC
4 DR-
5 DA-
6 HALL OUT-
7 HALL IN-
8 HALL OUT+
9 HALL IN+
10 DA+
11 DR+
12 Z.B-
13 Z.B+
14 Z.A+
15 Z.A-
16 FOCUS LED
17 VCC
18 F. SENSE
19 F.B-
20 F.B+
21 F.A+
22 F.A_
FROM/TO LENS
ZL D2 H4 H3 H2 H1 D3 D4 Z1 Z2 Z3 Z4 FL F1 F2 F3 F4
D2 H1 H2 H3 H4 D3 D4 F1 F2 F3 F4 FL ZL Z1 Z2 Z3 Z4
RD32 47K
Z.RES
Q002 DTC144EU
RD31 56K
RD30 47K
F.RES
Q003 DTC144EU
RD36 56K
CD31 104
CD30 22/10V
LD30 22uH
RD47 220
RD46 220
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

*Standard voltage is DC.

❶

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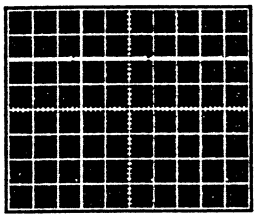
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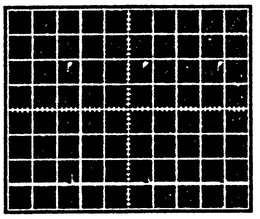
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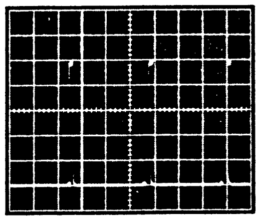
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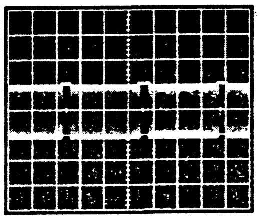
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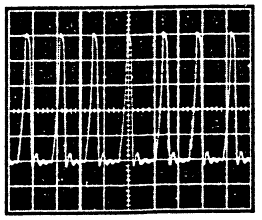
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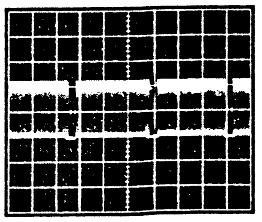
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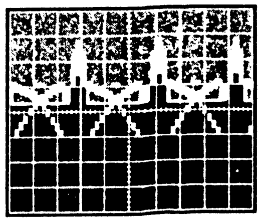
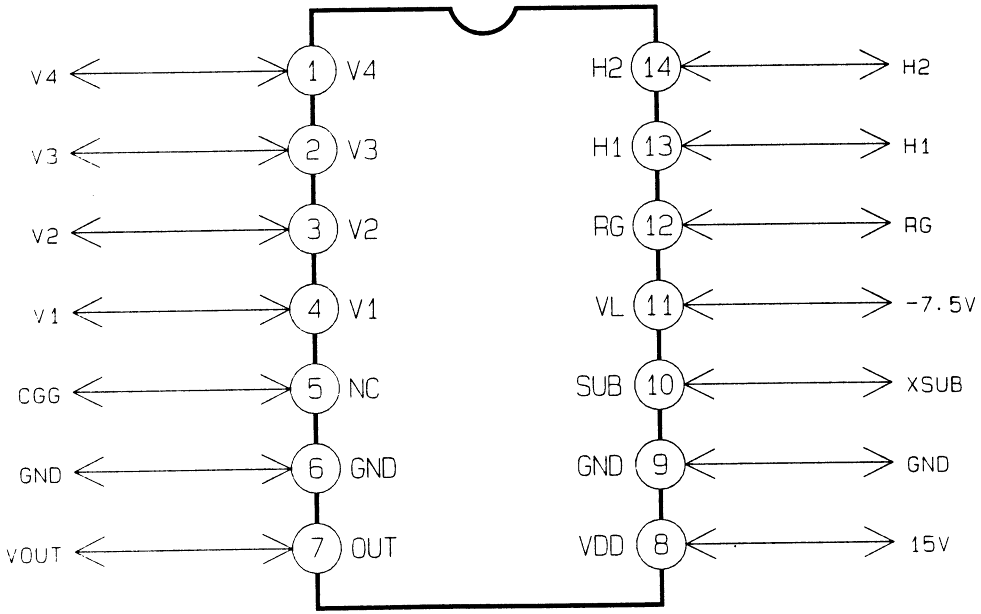
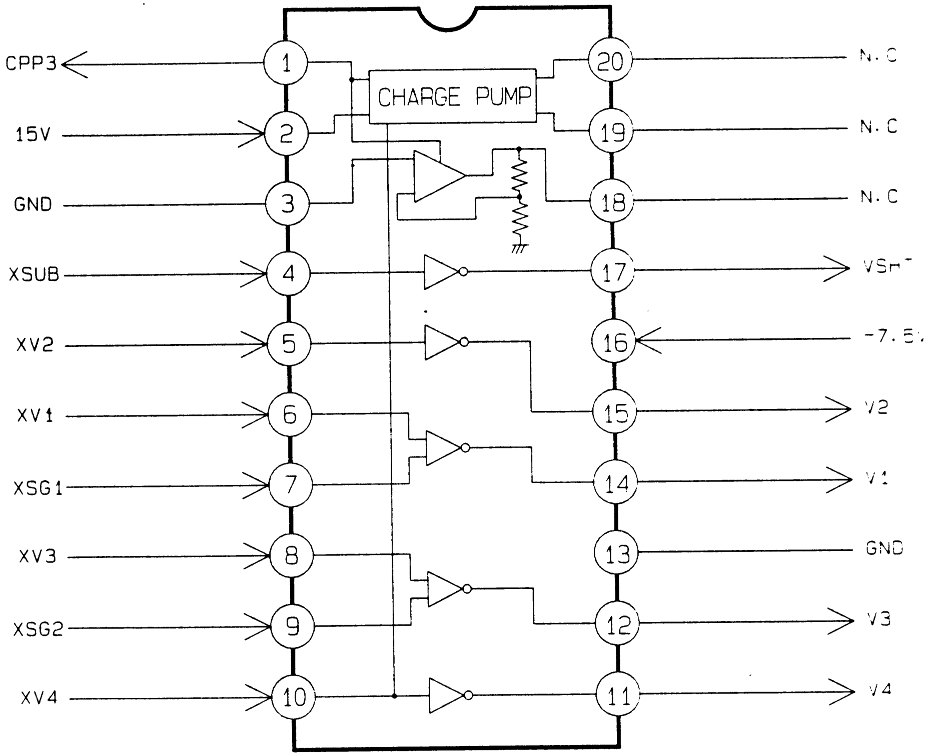
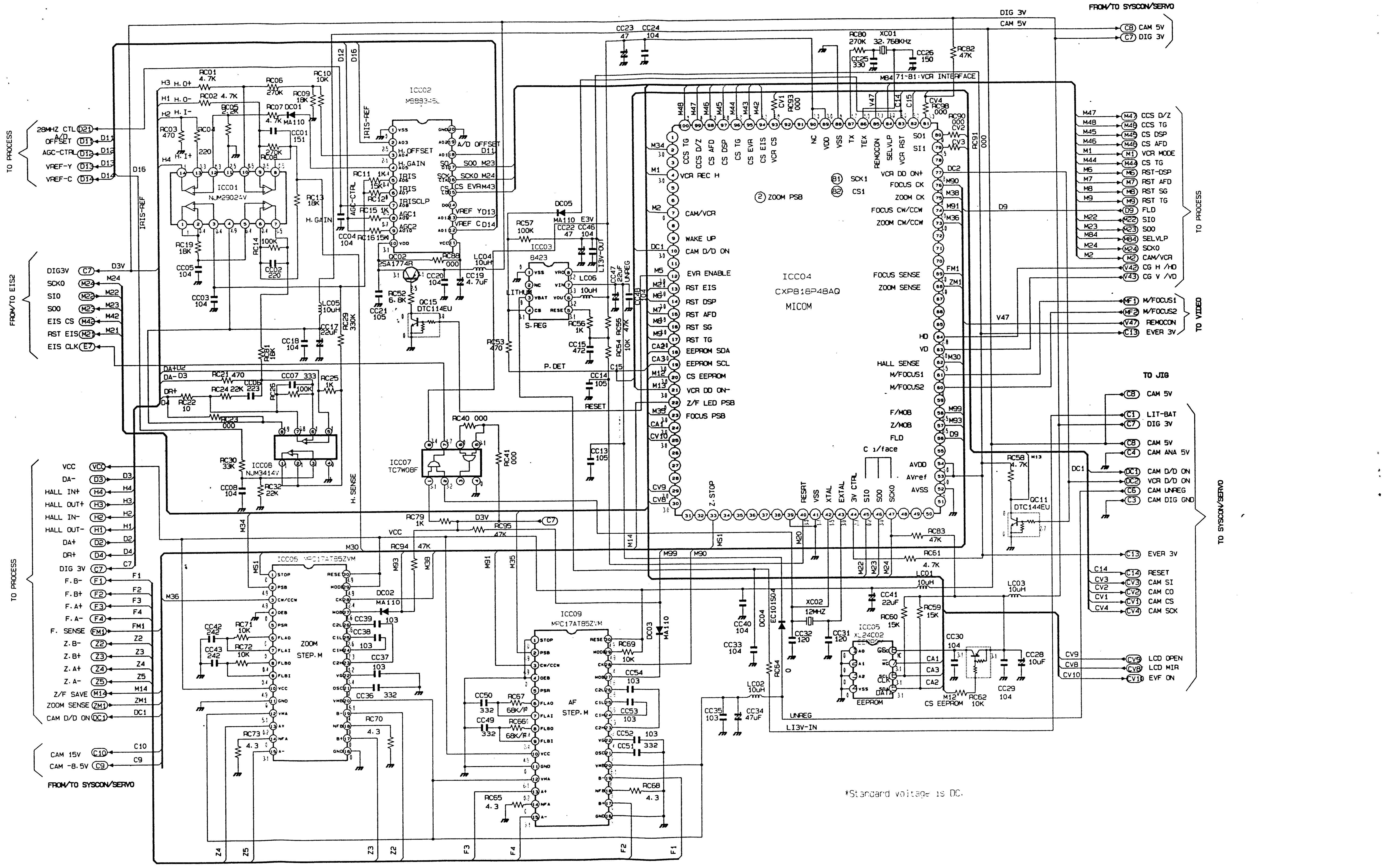


ICD01 ICX087AK/ICX071AK


V4
V3
V2
V1
CGG
GND
VOUT
1 V4
2 V3
3 V2
4 V1
5 NC
6 GND
7 OUT
H2 14
H1 13
RG 12
VL 11
SUB 10
GND 9
VDD 8
H2
H1
RG
-7.5V
XSUB
GND
15V

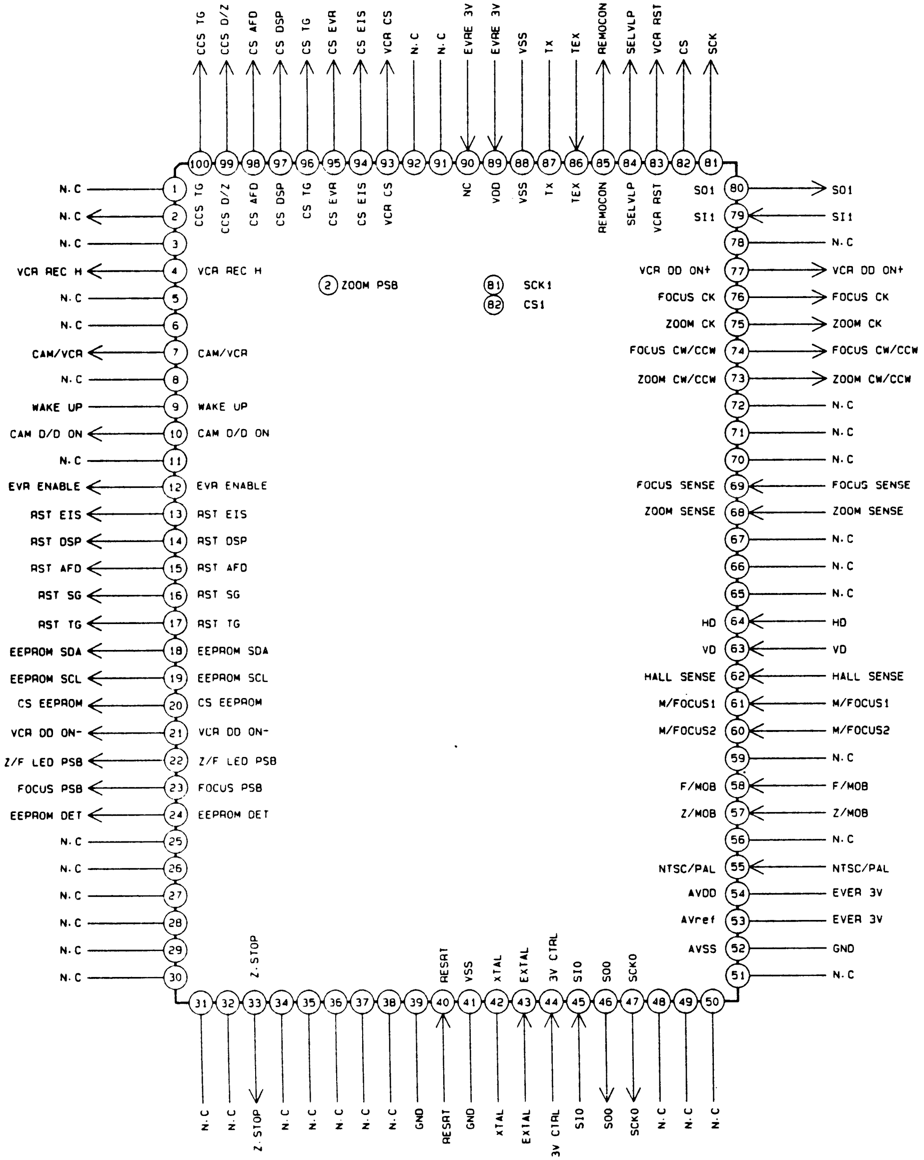
ICD02 CXD1267AN


CPP3
15V
GND
XSUB
XV2
XV1
XSG1
XV3
XSG2
XV4
1
2
3
4
5
6
7
8
9
10
CHARGE PUMP
20
19
18
17
16
15
14
13
12
11
N.C
N.C
N.C
VSH
-7.5V
V2
V1
GND
V3
V4

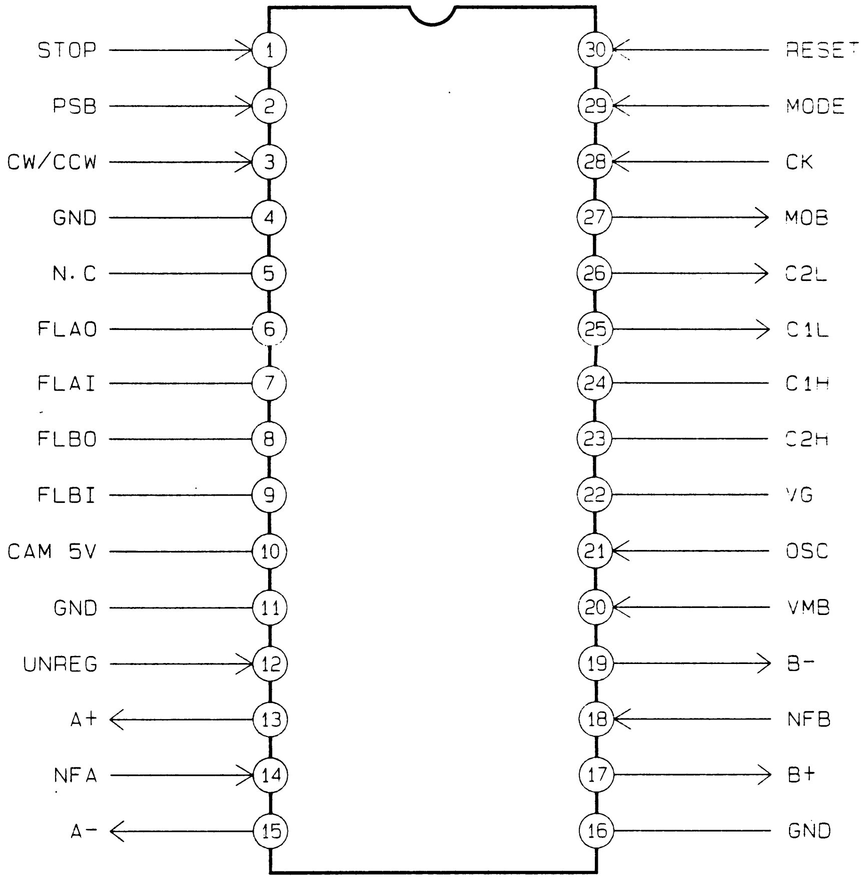

FROM/TO SYSCON/SERVO
CAM 5V
DIG 3V
TO PROCESS
28MHZ CTL
A/D OFFSET
AGC-CTRL
VREF-Y
VREF-C
FROM/TO EIS2
DIG3V
SCKO
SIO
SOO
EIS CS
RST EIS
EIS CLK
ICC01
NJM2902V
ICC02
MS8834SL
H.OFFSET
H.GAIN
IRIS
IRISCLP
AGC1
AGC2
A/D OFFSET
VREF Y
VREF C
QC02
2SA1774R
QC15
DTC114EU
ICC03
8423
S.REG
P.DET
LITHIUM
RESET
ICC04
CXP818P48AQ
MICOM
ZOOM PSB
VCR REC H
CAM/VCR
WAKE UP
CAM D/D ON
EVR ENABLE
RST EIS
RST DSP
RST AFD
RST SG
RST TG
EEPROM SDA
EEPROM SCL
CS EEPROM
VCR DD ON
Z/F LED PSB
FOCUS PSB
CCS TG
CCS D/Z
CS AFD
CS DSP
CS TG
CS EVR
CS EIS
VCR CS
NC
VDD
VSS
TX
TEX
REMOCON
SELVLP
VCR RST
SO1
SI1
SCK1
CS1
VCR DD ON
FOCUS CK
ZOOM CK
FOCUS CW/CCW
ZOOM CW/CCW
FOCUS SENSE
ZOOM SENSE
HD
VD
HALL SENSE
M/FOCUS1
M/FOCUS2
F/MOB
Z/MOB
FLD
C I/face
AVDD
AVref
AVSS
Z.STOP
RESRT
XTAL
EXTAL
3V CTRL
71-81:VCR INTERFACE
XC01
32.768KHZ
CCS D/Z
CCS TG
CS DSP
CS AFD
VCR MODE
CS TG
RST-DSP
RST AFD
RST SG
RST TG
FLD
SIO
SOO
SELVLP
SCKO
CAM/VCR
CG H /HD
CG V /VD
M/FOCUS1
M/FOCUS2
REMOCON
EVER 3V
TO VIDEO
TO JIG
CAM 5V
LIT-BAT
DIG 3V
CAM 5V
CAM ANA 5V
CAM D/D ON
VCR D/D ON
CAM UNREG
CAM DIG GND
TO SYSCON/SERVO
QC11
DTC144EU
EVER 3V
RESET
CAM SI
CAM CO
CAM CS
CAM SCK
LCD OPEN
LCD MIR
EVF ON
ICC06
NJM3414V
ICC07
TC7W08F
H.SENSE
ICC05
MPC17A785ZVM
ZOOM STEP.M
ICC09
MPC17A785ZVM
AF STEP.M
XC02
12MHZ
ICC05
XL24C02
EEPROM
CS EEPROM
UNREG
LI3V-IN
VCC
DA-
HALL IN+
HALL OUT+
HALL IN-
HALL OUT-
DA+
DR+
DIG 3V
F.B-
F.B+
F.A+
F.A-
F. SENSE
Z.B-
Z.B+
Z.A+
Z.A-
Z/F SAVE
ZOOM SENSE
CAM D/D ON
CAM 15V
CAM -8.5V
FROM/TO SYSCON/SERVO

*Standard voltage is DC.

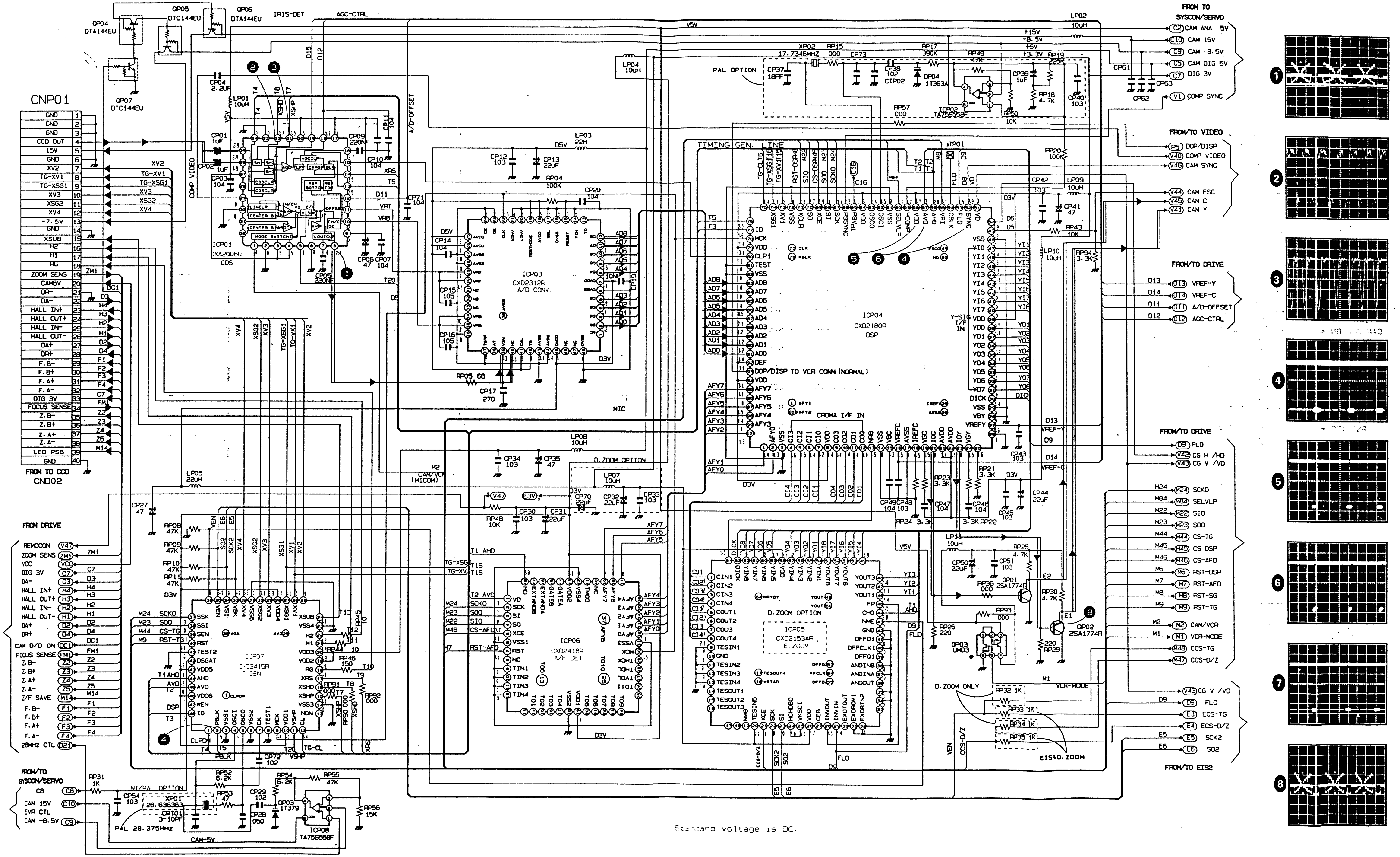
ICC04 CXP818P48AQ


100 CCS TG
99 CCS D/Z
98 CS AFD
97 CS DSP
96 CS TG
95 CS EVR
94 CS EIS
93 VCR CS
92 N.C
91 N.C
90 EVRE 3V NC
89 EVRE 3V VDD
88 VSS
87 TX
86 TEX
85 REMOCON
84 SELVLP
83 VCR RST
82 CS
81 SCK
1 N.C
2 N.C
3 N.C
4 VCR REC H
5 N.C
6 N.C
7 CAM/VCR
8 N.C
9 WAKE UP
10 CAM D/D ON
11 N.C
12 EVR ENABLE
13 RST EIS
14 RST DSP
15 RST AFD
16 RST SG
17 RST TG
18 EEPROM SDA
19 EEPROM SCL
20 CS EEPROM
21 VCR DD ON-
22 Z/F LED PSB
23 FOCUS PSB
24 EEPROM DET
25 N.C
26 N.C
27 N.C
28 N.C
29 N.C
30 N.C
② ZOOM PSB
(81) SCK1
(82) CS1
80 SO1
79 SI1
78 N.C
77 VCR DD ON+
76 FOCUS CK
75 ZOOM CK
74 FOCUS CW/CCW
73 ZOOM CW/CCW
72 N.C
71 N.C
70 N.C
69 FOCUS SENSE
68 ZOOM SENSE
67 N.C
66 N.C
65 N.C
64 HD
63 VD
62 HALL SENSE
61 M/FOCUS1
60 M/FOCUS2
59 N.C
58 F/MOB
57 Z/MOB
56 N.C
55 NTSC/PAL
54 AVDD EVER 3V
53 AVref EVER 3V
52 AVSS GND
51 N.C
31 N.C
32 N.C
33 Z.STOP
34 N.C
35 N.C
36 N.C
37 N.C
38 N.C
39 GND
40 RESRT
41 VSS GND
42 XTAL
43 EXTAL
44 3V CTRL
45 SIO
46 SOO
47 SCKO
48 N.C
49 N.C
50 N.C

ICC06 MPC17ZT85ZVM

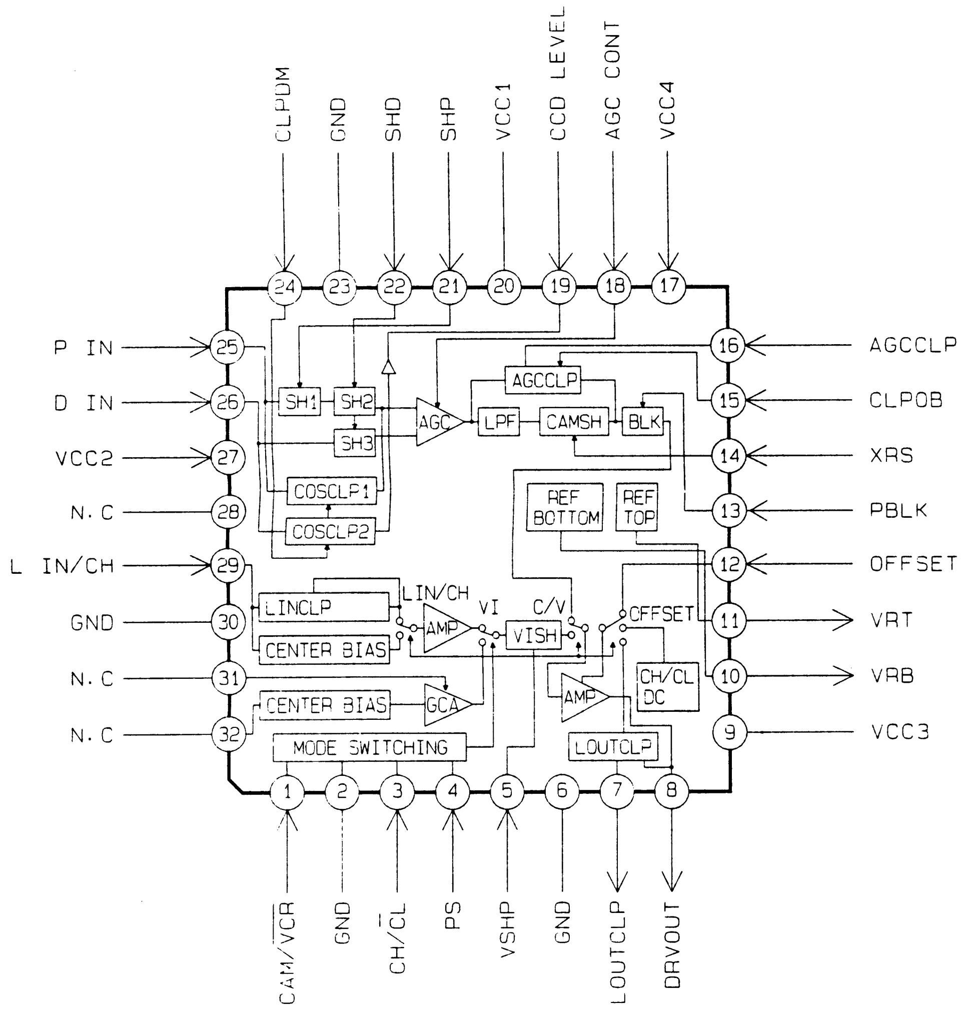

STOP 1
PSB 2
CW/CCW 3
GND 4
N.C 5
FLAO 6
FLAI 7
FLBO 8
FLBI 9
CAM 5V 10
GND 11
UNREG 12
A+ 13
NFA 14
A- 15
30 RESET
29 MODE
28 CK
27 MOB
26 C2L
25 C1L
24 C1H
23 C2H
22 VG
21 OSC
20 VMB
19 B-
18 NFB
17 B+
16 GND

CAMERA SIGNAL

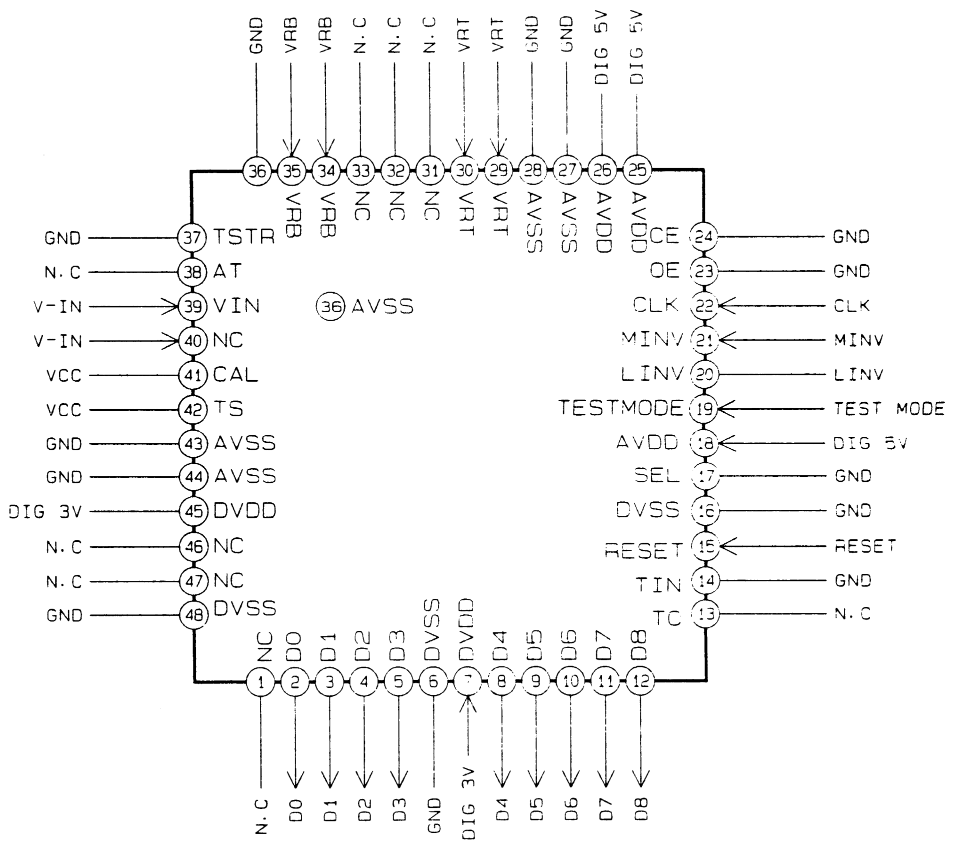

CNP01
FROM TO CCD
CND02
ICP01
CXA2006G
CDS
ICP03
CXD2312R
A/D CONV.
ICP04
CXD2180R
DSP
TIMING GEN. LINE
CROMA I/F IN
DOP/DISP TO VCR CONN (NORMAL)
ICP07
CXD2415R
TGEN
ICP06
CXD2418R
A/F DET
ICP05
CXD2153AR
E. ZOOM
D. ZOOM OPTION
ICP02
TA75S558F
ICP08
TA75S558F
PAL OPTION
NT/PAL OPTION
PAL 28.375MHz
XP01
28.636363
XP02
17.7346MHZ
QP01
2SA1774R
QP02
2SA1774R
QP03
UMD3
QP04
DTA144EU
QP05
DTC144EU
QP06
DTA144EU
QP07
DTC144EU
IRIS-DET
AGC-CTRL
A/D-OFFSET
COMP VIDEO
MIC
FROM TO SYSCON/SERVO
CAM ANA 5V
CAM 15V
CAM -8.5V
CAM DIG 5V
DIG 3V
COMP SYNC
FROM/TO VIDEO
DOP/DISP
COMP VIDEO
CAM SYNC
CAM FSC
CAM C
CAM Y
FROM/TO DRIVE
VREF-Y
VREF-C
A/D-OFFSET
AGC-CTRL
FLD
CG H /HD
CG V /VD
SCKO
SELVLP
SIO
SOO
CS-TG
CS-DSP
CS-AFD
RST-DSP
RST-AFD
RST-SG
RST-TG
CAM/VCR
VCR-MODE
CCS-TG
CCS-D/Z
ECS-TG
ECS-D/Z
SCK2
SO2
FROM/TO EIS2
D.ZOOM ONLY
EIS&D.ZOOM
FROM DRIVE
REMOCON
ZOOM SENS
VCC
DIG 3V
HALL IN+
HALL OUT+
HALL IN-
HALL OUT-
CAM D/D ON
FOCUS SENSE
Z/F SAVE
28MHz CTL
FROM/TO SYSCON/SERVO
CAM 15V
EVR CTL
CAM -8.5V
CAM-5V
①
②
③
④
⑤
⑥
⑦
⑧

Standard voltage is DC.

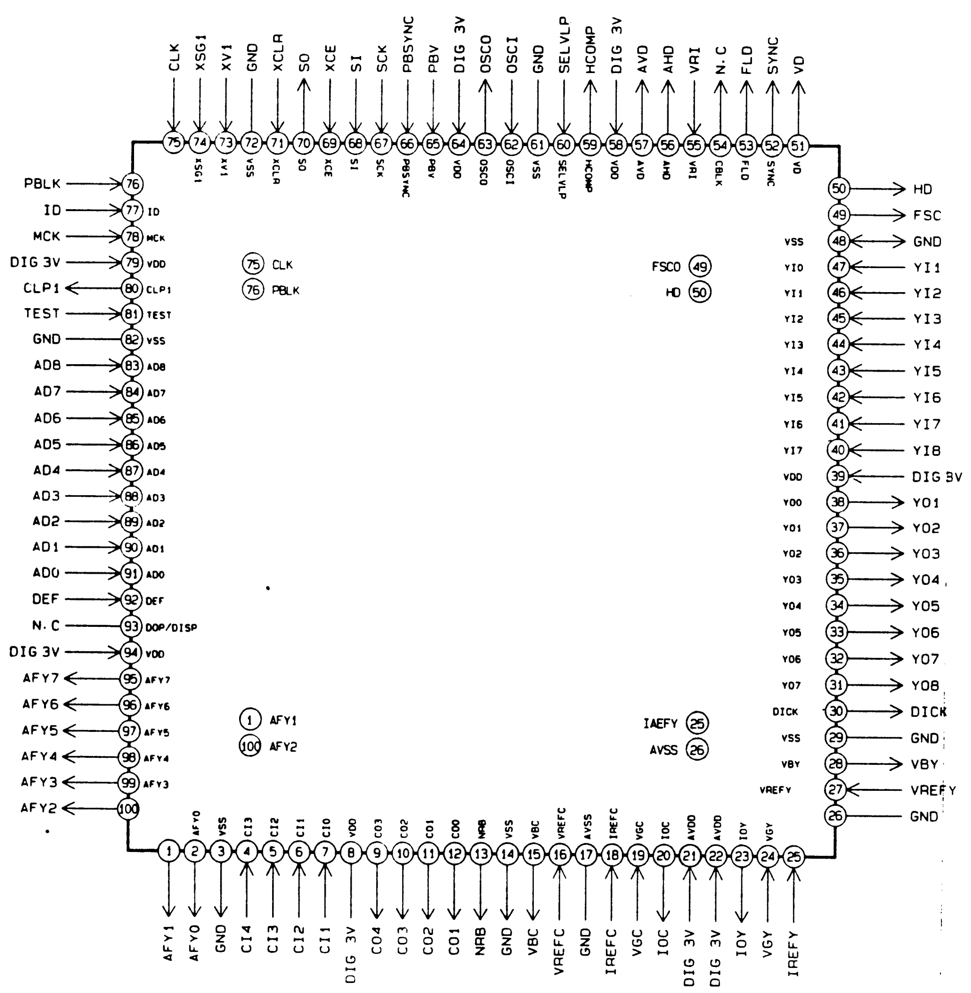
ICP01 CXA2006Q


CLPDM
GND
SHD
SHP
VCC1
CCD LEVEL
AGC CONT
VCC4
P IN
D IN
VCC2
N.C
L IN/CH
GND
N.C
N.C
AGCCLP
CLPOB
XRS
PBLK
OFFSET
VRT
VRB
VCC3
CAM/VCR
GND
CH/CL
PS
VSHP
GND
LOUTCLP
DRVOUT
SH1
SH2
SH3
AGC
LPF
CAMSH
BLK
AGCCLP
COSCLP1
COSCLP2
REF BOTTOM
REF TOP
LINCLP
LIN/CH
AMP
VI
C/V
VISH
OFFSET
CENTER BIAS
CENTER BIAS
GCA
AMP
CH/CL DC
MODE SWITCHING
LOUTCLP

ICP03 CXD2312R


GND
VRB
VRB
N.C
N.C
N.C
VRT
VRT
GND
GND
DIG 5V
DIG 5V
VRB
VRB
NC
NC
NC
VRT
VRT
AVSS
AVSS
AVDD
AVDD
GND — TSTR
N.C — AT
V-IN — VIN
V-IN — NC
VCC — CAL
VCC — TS
GND — AVSS
GND — AVSS
DIG 3V — DVDD
N.C — NC
N.C — NC
GND — DVSS
36 AVSS
CE — GND
OE — GND
CLK — CLK
MINV — MINV
LINV — LINV
TESTMODE — TEST MODE
AVDD — DIG 5V
SEL — GND
DVSS — GND
RESET — RESET
TIN — GND
TC — N.C
NC — N.C
D0
D1
D2
D3
DVSS — GND
DVDD — DIG 3V
D4
D5
D6
D7
D8

ICP04 CXD2180R


CLK
XSG1
XV1
GND
XCLR
SO
XCE
SI
SCK
PBSYNC
PBV
DIG 3V
OSCO
OSCI
GND
SELVLP
HCOMP
DIG 3V
AVD
AHD
VRI
N.C
FLD
SYNC
VD
PBLK
ID
MCK
DIG 3V
CLP1
TEST
GND
AD8
AD7
AD6
AD5
AD4
AD3
AD2
AD1
AD0
DEF
N.C
DIG 3V
AFY7
AFY6
AFY5
AFY4
AFY3
AFY2
HD
FSC
GND
YI1
YI2
YI3
YI4
YI5
YI6
YI7
YI8
DIG 3V
YO1
YO2
YO3
YO4
YO5
YO6
YO7
YO8
DICK
GND
VBY
VREFY
GND
AFY1
AFY0
GND
CI4
CI3
CI2
CI1
DIG 3V
CO4
CO3
CO2
CO1
NRB
GND
VBC
VREFC
GND
IREFC
VGC
IOC
DIG 3V
DIG 3V
IOY
VGY
IREFY
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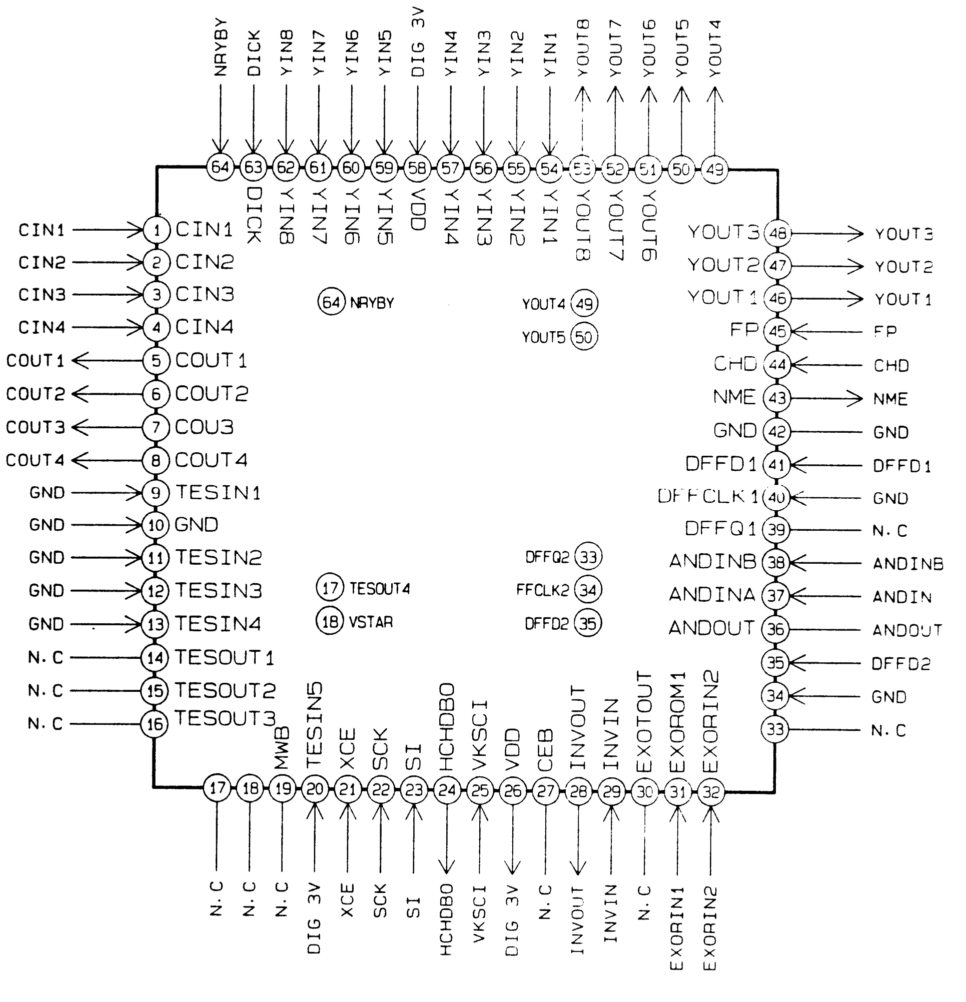
76 PBLK
FSCO 49
HD 50
1 AFY1
100 AFY2
IAEFY 25
AVSS 26

ICP05 CXD2153AR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YOUT6
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DICK
YIN8
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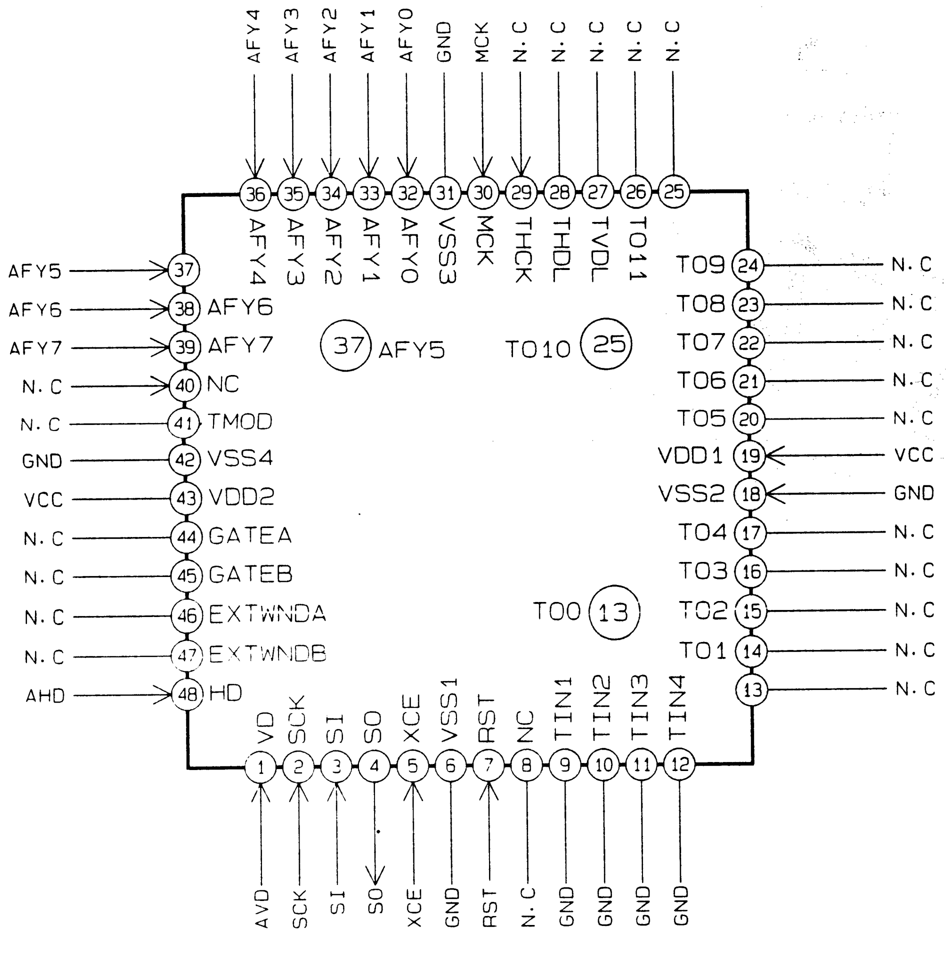
YIN6
YIN5
VDD
YIN4
YIN3
YIN2
YIN1
YOUT8
YOUT7
YOUT6
CIN1 — CIN1
CIN2 — CIN2
CIN3 — CIN3
CIN4 — CIN4
COUT1 — COUT1
COUT2 — COUT2
COUT3 — COU3
COUT4 — COUT4
GND — TESIN1
GND — GND
GND — TESIN2
GND — TESIN3
GND — TESIN4
N.C — TESOUT1
N.C — TESOUT2
N.C — TESOUT3
64 NRYBY
YOUT4 49
YOUT5 50
17 TESOUT4
18 VSTAR
DFFQ2 33
FFCLK2 34
DFFD2 35
YOUT3 — YOUT3
YOUT2 — YOUT2
YOUT1 — YOUT1
FP — FP
CHD — CHD
NME — NME
GND — GND
DFFD1 — DFFD1
DFFCLK1 — GND
DFFQ1 — N.C
ANDINB — ANDINB
ANDINA — ANDIN
ANDOUT — ANDOUT
DFFD2
GND
N.C
N.C
N.C
MWB — N.C
TESIN5 — DIG 3V
XCE — XCE
SCK — SCK
SI — SI
HCHDBO — HCHDBO
VKSCI — VKSCI
VDD — DIG 3V
CEB — N.C
INVOUT — INVOUT
INVIN — INVIN
EXOTOUT — N.C
EXORIN1 — EXORIN1
EXORIN2 — EXORIN2

ICP06 CXD2418R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AFY6
AFY7
N.C
N.C
GND
VCC
N.C
N.C
N.C
N.C
AHD
VD
SCK
SI
SO
XCE
VSS1
RST
NC
TIN1
TIN2
TIN3
TIN4
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SCK
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SO
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GND
RST
N.C
GND
GND
GND
GND
AFY6
AFY7
NC
TMOD
VSS4
VDD2
GATEA
GATEB
EXTWNDA
EXTWNDB
HD
37 AFY5
TO10 25
TO0 13
TO9
TO8
TO7
TO6
TO5
VDD1
VSS2
TO4
TO3
TO2
TO1
VCC
GND
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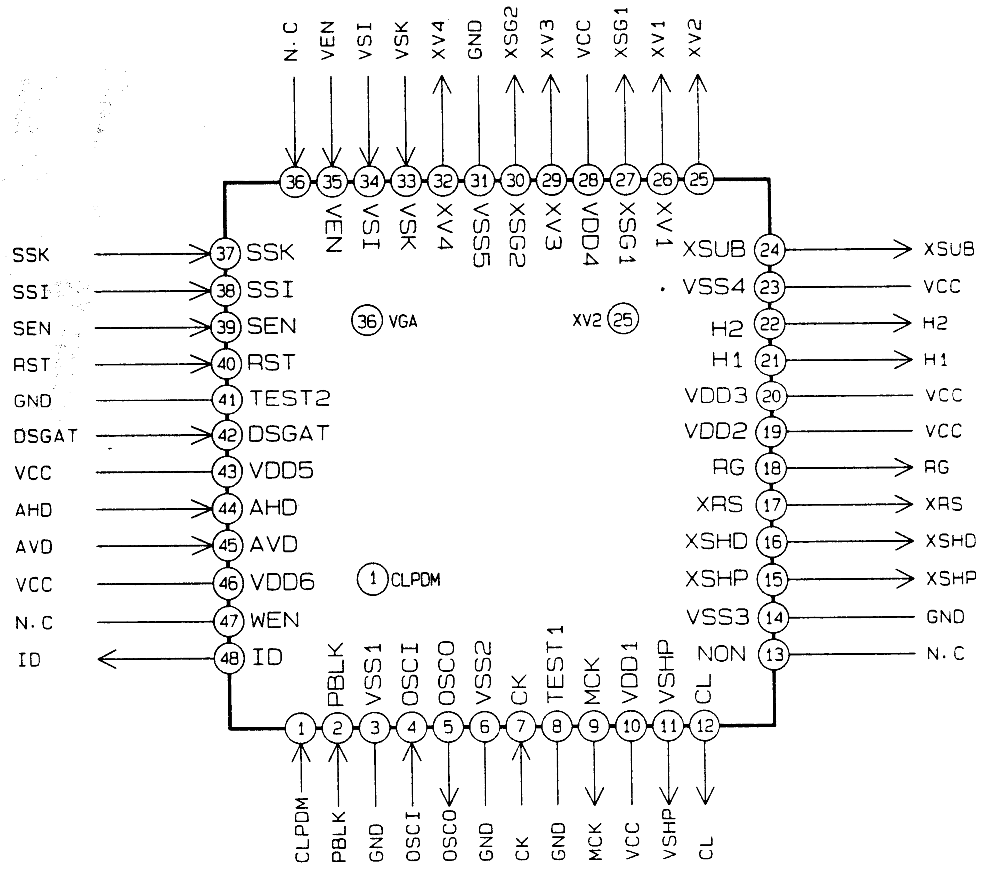
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VCC
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VSS5
XSG2
XV3
VDD4
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VCC
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AVD
VCC
N.C
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TEST2
DSGAT
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AHD
AVD
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WEN
ID
36 VGA
XV2 25
1 CLPDM
XSUB
VSS4
H2
H1
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VDD2
RG
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XSHD
XSHP
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XSUB
VCC
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H1
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PBLK
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OSCO
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VDD1
VSHP
CL
CLPDM
PBLK
GND
OSCI
OSCO
GND
CK
GND
MCK
VCC
VSHP
CL

FOCUS CHART

This chart is used for FOCUS TO ZOOM TRACKING adjustment.
Please, keep it for future use.